LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.640	599	604	624	rVB	561390	924230	18.96%	1.364%
2	6.234	698	705	710	rBV	3245709	4282680	87.83%	6.321%
3	7.234	869	875	880	rBV	935404	1173596	24.07%	1.732%
4	7.775	960	967	978	rBV	3294203	4720203	96.81%	6.967%
5	7.875	978	984	990	rVB	190220	235476	4.83%	0.348%
6	7.963	992	999	1004	rBV	3379828	4417213	90.59%	6.520%
7	8.328	1055	1061	1066	rBV	888834	1033929	21.21%	1.526%
8	8.569	1097	1102	1107	rVB	2865414	3358438	68.88%	4.957%
9	9.210	1203	1211	1215	rBV	2321441	2897610	59.43%	4.277%
10	10.363	1401	1407	1411	rBV	1128461	1325444	27.18%	1.956%
11	10.434	1415	1419	1424	rVV	47526	51617	1.06%	0.076%
12	11.681	1625	1631	1637	rBV	64074	79003	1.62%	0.117%
13	12.146	1702	1710	1714	rBV	4038555	4875834	100.00%	7.197%
14	12.298	1732	1736	1739	rBV	52303	59284	1.22%	0.088%
15	12.551	1774	1779	1787	rVB3	41909	87486	1.79%	0.129%
16	12.681	1795	1801	1805	rBV	69303	99993	2.05%	0.148%
17	12.810	1818	1823	1828	rVB	419340	455831	9.35%	0.673%
18	12.987	1848	1853	1860	rBV	58419	86718	1.78%	0.128%
19	13.228	1888	1894	1898	rBV	1227439	1531391	31.41%	2.260%
20	13.281	1898	1903	1907	rVV	1291686	1574988	32.30%	2.325%
21	13.328	1907	1911	1918	rVB2	29546	51510	1.06%	0.076%
22	13.493	1935	1939	1944	rVB	54391	65970	1.35%	0.097%
23	13.563	1945	1951	1958	rBV	370654	456317	9.36%	0.674%
24	13.645	1959	1965	1973	rVB2	35752	59793	1.23%	0.088%
25	14.122	2042	2046	2054	rVB	683673	838927	17.21%	1.238%
26	14.234	2058	2065	2068	rVV	100268	175909	3.61%	0.260%
27	14.269	2068	2071	2075	rVB	102662	115072	2.36%	0.170%
28	14.345	2081	2084	2088	rVB2	52604	55254	1.13%	0.082%
29	14.398	2088	2093	2102	rBV	119158	167437	3.43%	0.247%
30	14.522	2106	2114	2125	rVV2	2264753	3190411	65.43%	4.709%
31	14.604	2125	2128	2138	rVB2	38003	56632	1.16%	0.084%
32	14.716	2144	2147	2152	rBV	39788	55688	1.14%	0.082%
33	14.845	2163	2169	2178	rBV5	44274	101534	2.08%	0.150%
34	15.028	2195	2200	2204	rBV	119042	173563	3.56%	0.256%

LSC Area Percent Report

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Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.069	2204	2207	2213	rVB3	37313	59458	1.22%	0.088%
36	15.157	2218	2222	2228	rVB3	41903	67510	1.38%	0.100%
37	15.245	2234	2237	2240	rBV2	43505	57218	1.17%	0.084%
38	15.322	2246	2250	2261	rVB2	70186	141403	2.90%	0.209%
39	15.416	2261	2266	2270	rBV3	81727	125885	2.58%	0.186%
40	15.463	2270	2274	2278	rVB	204275	235557	4.83%	0.348%
41	15.622	2296	2301	2304	rBV	1134725	1394062	28.59%	2.058%
42	15.663	2304	2308	2312	rVB	2563963	2943902	60.38%	4.345%
43	15.734	2317	2320	2324	rVB	254056	259695	5.33%	0.383%
44	15.981	2359	2362	2368	rVB	103570	127424	2.61%	0.188%
45	16.098	2378	2382	2384	rBV	60465	65092	1.33%	0.096%
46	16.381	2426	2430	2433	rBV	246821	268446	5.51%	0.396%
47	16.416	2433	2436	2441	rVB	335717	359045	7.36%	0.530%
48	16.486	2444	2448	2449	rVV	67528	80820	1.66%	0.119%
49	16.528	2449	2455	2460	rVV2	709681	1242918	25.49%	1.835%
50	16.569	2460	2462	2467	rVB	115126	115672	2.37%	0.171%
51	16.816	2499	2504	2512	rVB2	241979	381393	7.82%	0.563%
52	16.910	2517	2520	2525	rVB	77250	86390	1.77%	0.128%
53	17.063	2543	2546	2549	rBV	39903	55384	1.14%	0.082%
54	17.163	2559	2563	2567	rVB2	57495	79746	1.64%	0.118%
55	17.210	2567	2571	2574	rBV4	51456	67004	1.37%	0.099%
56	17.375	2593	2599	2603	rBV	3179000	3602499	73.88%	5.317%
57	17.457	2610	2613	2617	rBV5	40468	51762	1.06%	0.076%
58	17.569	2628	2632	2635	rBV	86197	108351	2.22%	0.160%
59	17.598	2635	2637	2644	rVV3	159172	189597	3.89%	0.280%
60	17.675	2645	2650	2655	rVV	2185482	2879287	59.05%	4.250%
61	17.751	2661	2663	2668	rVB	57238	72231	1.48%	0.107%
62	17.804	2669	2672	2675	rVB2	56199	61104	1.25%	0.090%
63	17.851	2676	2680	2683	rBV	95390	101166	2.07%	0.149%
64	17.910	2683	2690	2694	rBV	3851338	4324192	88.69%	6.383%
65	17.992	2700	2704	2707	rVB2	55305	78710	1.61%	0.116%
66	18.104	2719	2723	2724	rBV	57727	79343	1.63%	0.117%
67	18.128	2724	2727	2732	rVB2	252482	290469	5.96%	0.429%
68	18.222	2739	2743	2746	rBV	262593	282978	5.80%	0.418%
69	18.263	2747	2750	2753	rBV3	124673	159916	3.28%	0.236%
70	18.386	2768	2771	2773	rBV	53596	53441	1.10%	0.079%
71	18.422	2773	2777	2784	rVV3	80948	131257	2.69%	0.194%

LSC Area Percent Report

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Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.733	2827	2830	2833	rVB2	55422	57355	1.18%	0.085%
73	18.939	2861	2865	2869	rVB2	104100	118968	2.44%	0.176%
74	18.980	2869	2872	2874	rBV	86631	89952	1.84%	0.133%
75	19.157	2898	2902	2905	rBV3	133593	167575	3.44%	0.247%
76	19.192	2905	2908	2912	rVV2	118715	217222	4.46%	0.321%
77	19.269	2913	2921	2924	rVV2	1406318	2299398	47.16%	3.394%
78	19.298	2924	2926	2931	rVB	411130	468995	9.62%	0.692%
79	19.404	2940	2944	2949	rBV	93712	110368	2.26%	0.163%
80	19.563	2968	2971	2976	rVB	199301	201959	4.14%	0.298%
81	19.816	3011	3014	3018	rVB2	63951	64170	1.32%	0.095%
82	19.951	3034	3037	3043	rVB	260517	294967	6.05%	0.435%
83	20.333	3098	3102	3107	rBV	268234	291697	5.98%	0.431%
84	20.416	3113	3116	3120	rBV	120449	120837	2.48%	0.178%
85	20.557	3136	3140	3144	rBV	347500	572265	11.74%	0.845%
86	20.727	3165	3169	3176	rBV	308900	401534	8.24%	0.593%
87	20.904	3196	3199	3206	rVB	195193	257572	5.28%	0.380%
88	20.974	3207	3211	3215	rVB	212289	262378	5.38%	0.387%
89	21.051	3218	3224	3228	rBV	886806	1239057	25.41%	1.829%
90	21.174	3241	3245	3251	rVB	230668	340526	6.98%	0.503%
91	21.680	3326	3331	3338	rVB	231182	410935	8.43%	0.607%
92	22.251	3423	3428	3435	rBV3	112669	247636	5.08%	0.366%

Sum of corrected areas: 67750674

LSC Report - Integrated Chromatogram

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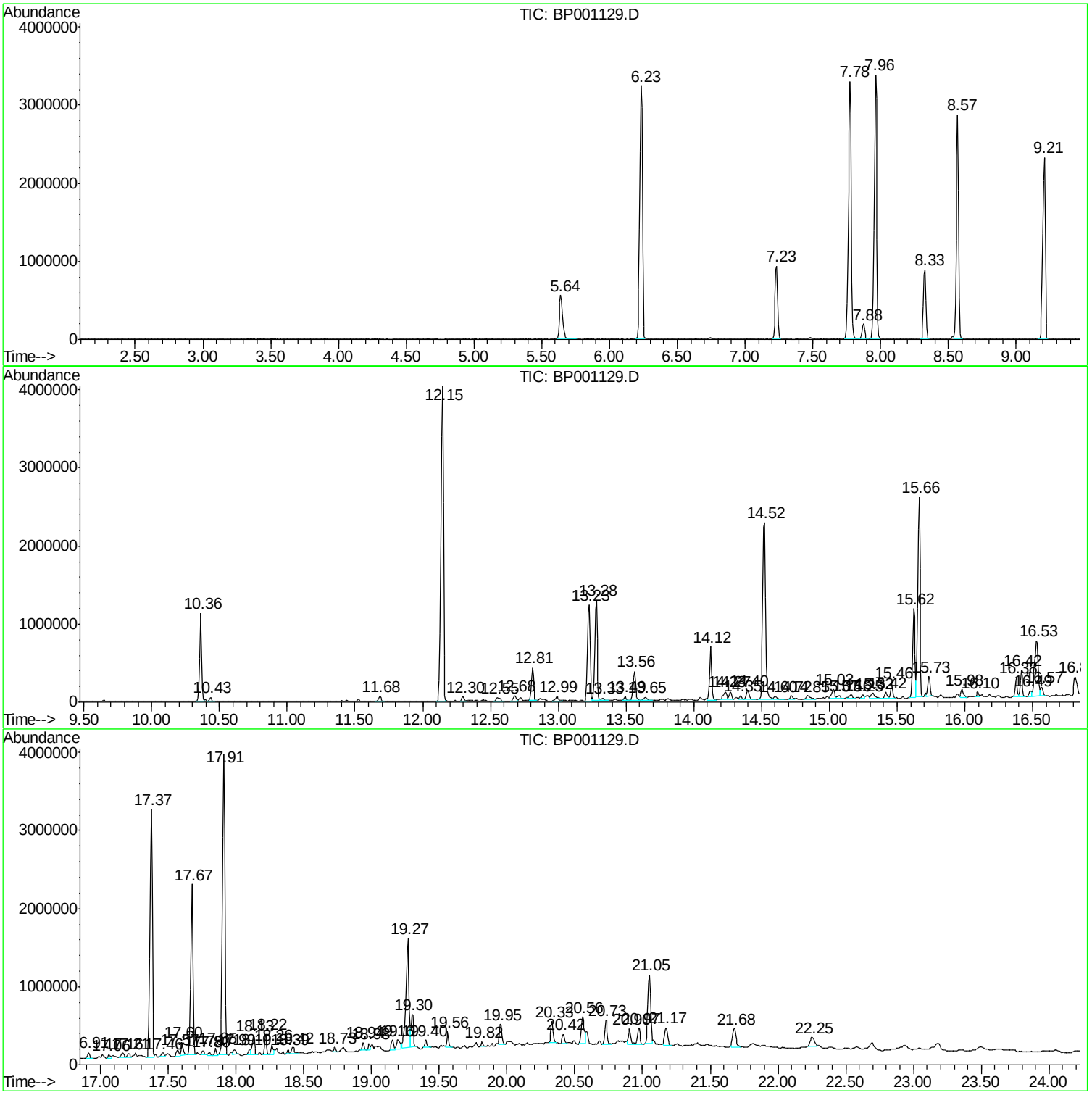
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

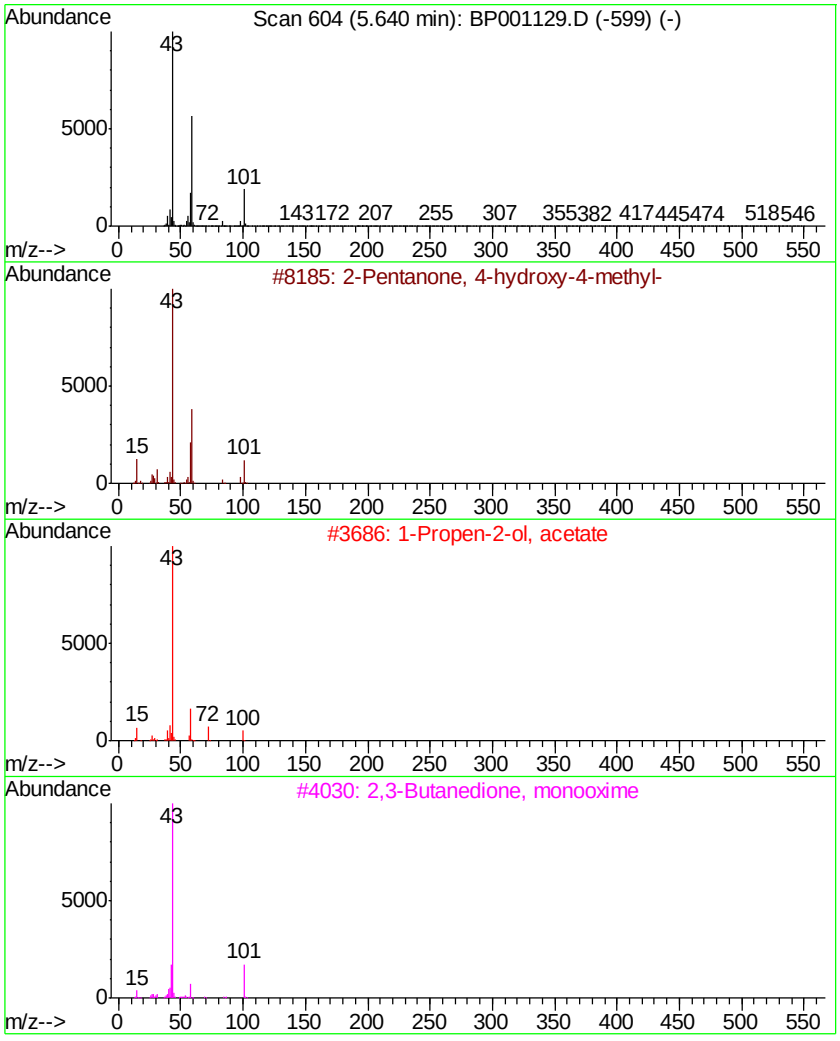
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

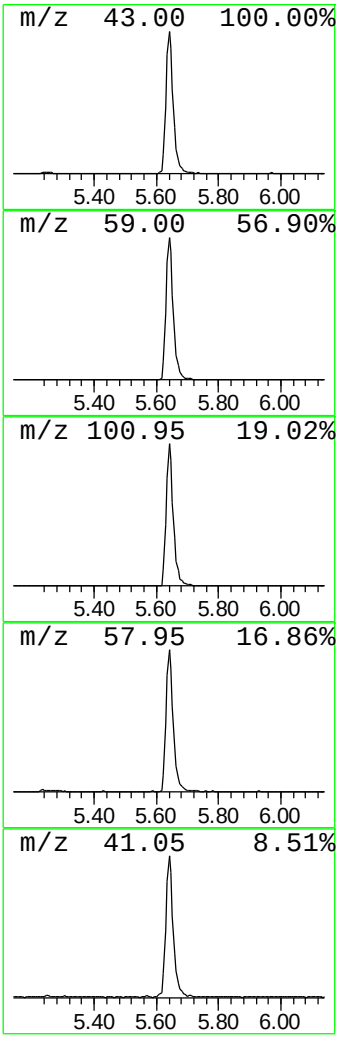
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	17.88 ng	924230	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

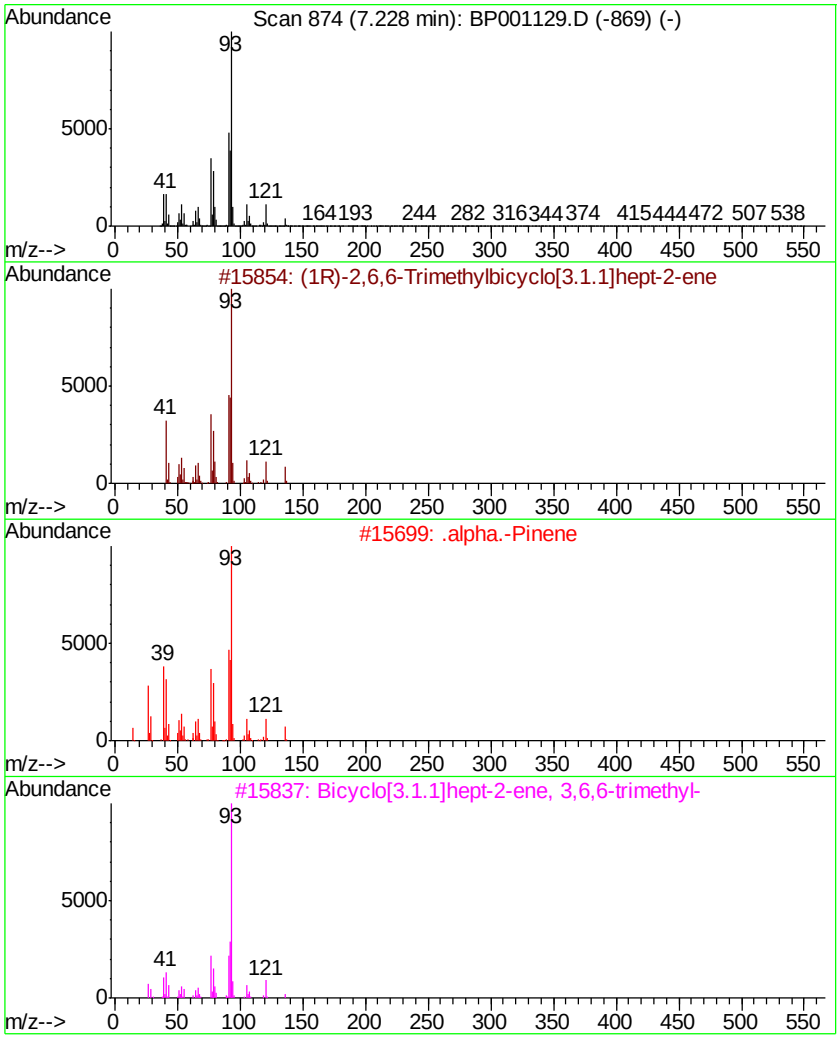
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

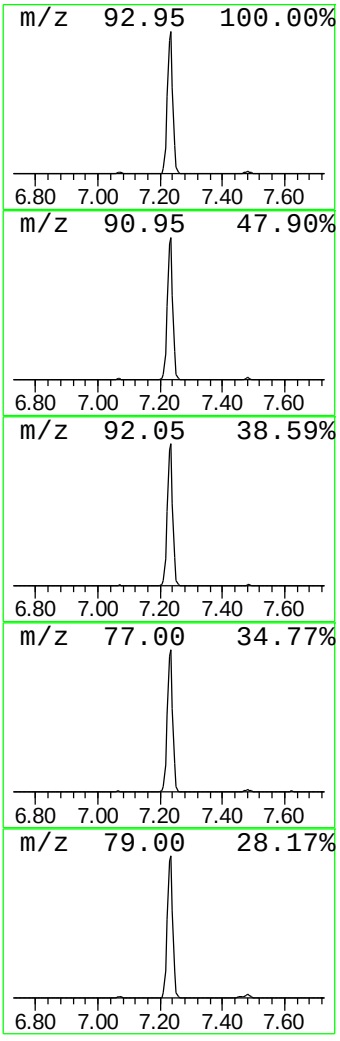
****

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	22.70 ng	1173600	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	.gamma.-Terpinene	136	C10H16	000099-85-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

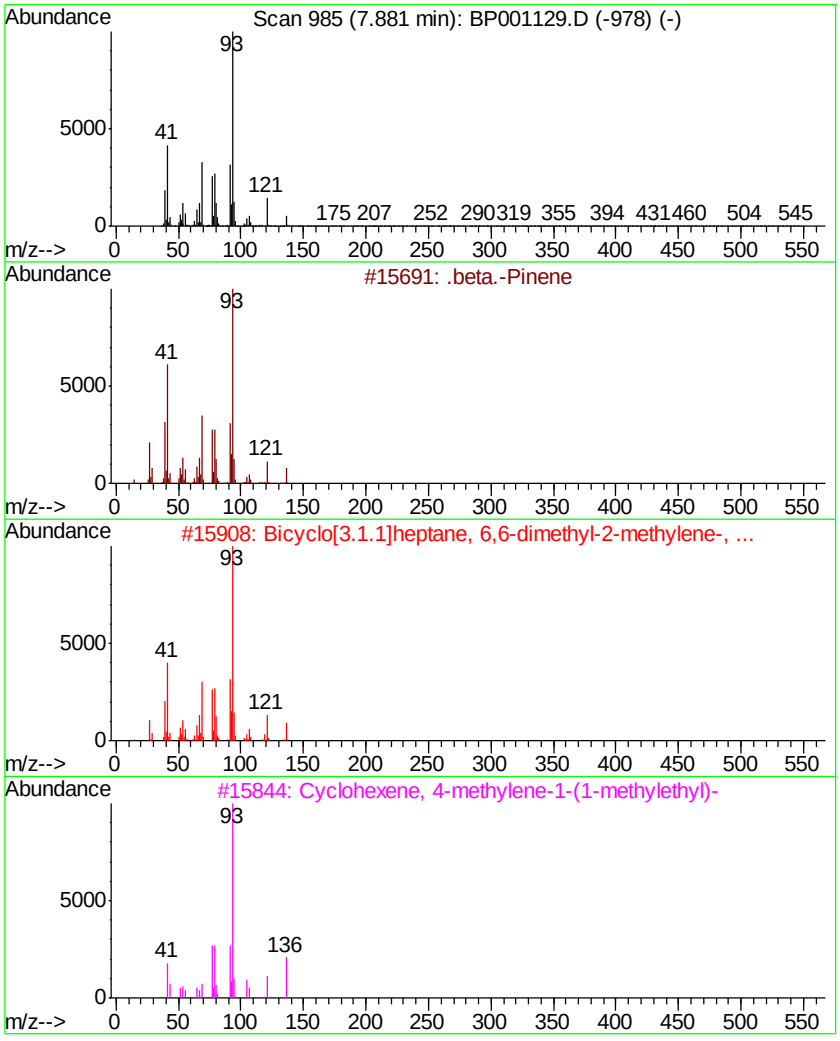
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

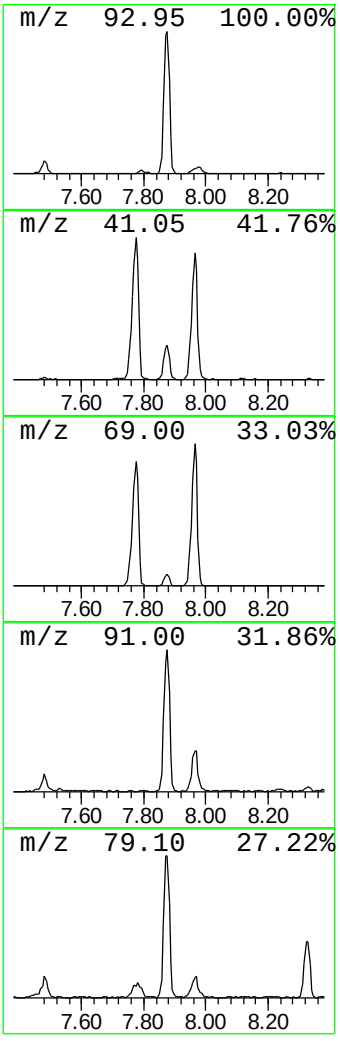
****

Peak Number 3 .beta.-Pinene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	4.55 ng	235476	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	95
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	86
5	.alpha.-Pinene	136	C10H16	000080-56-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
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Sample : K6054-04
Misc :
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Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

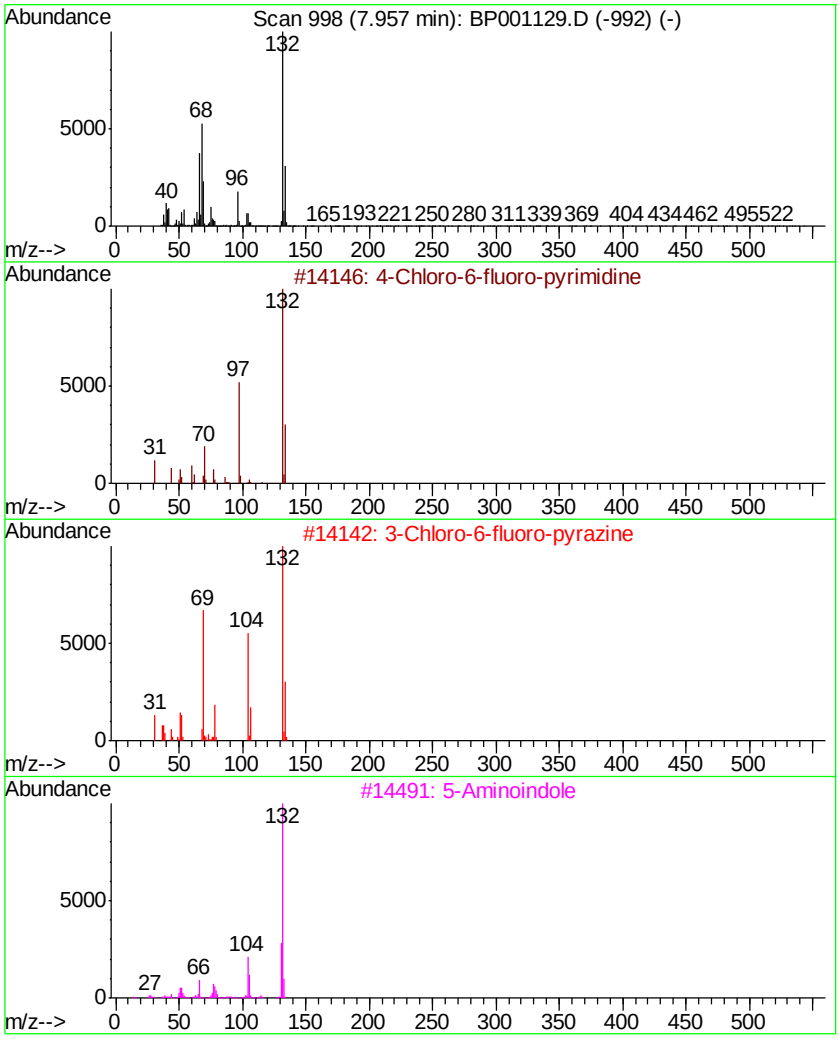
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

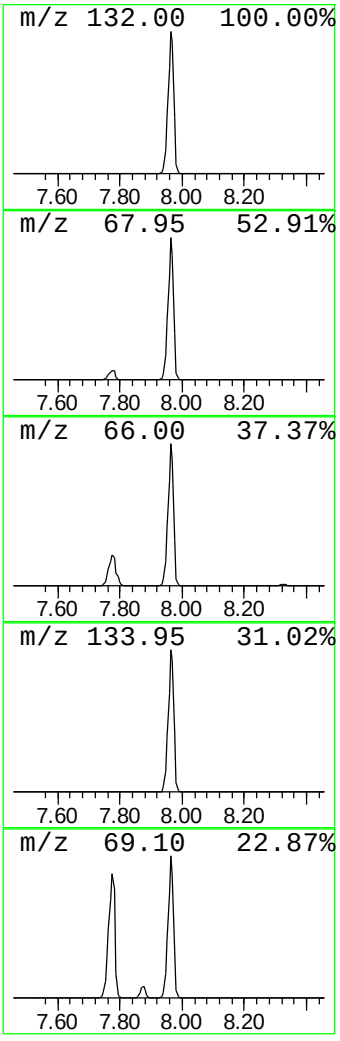
****

Peak Number 4 unknown7.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	85.45 ng	4417210	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

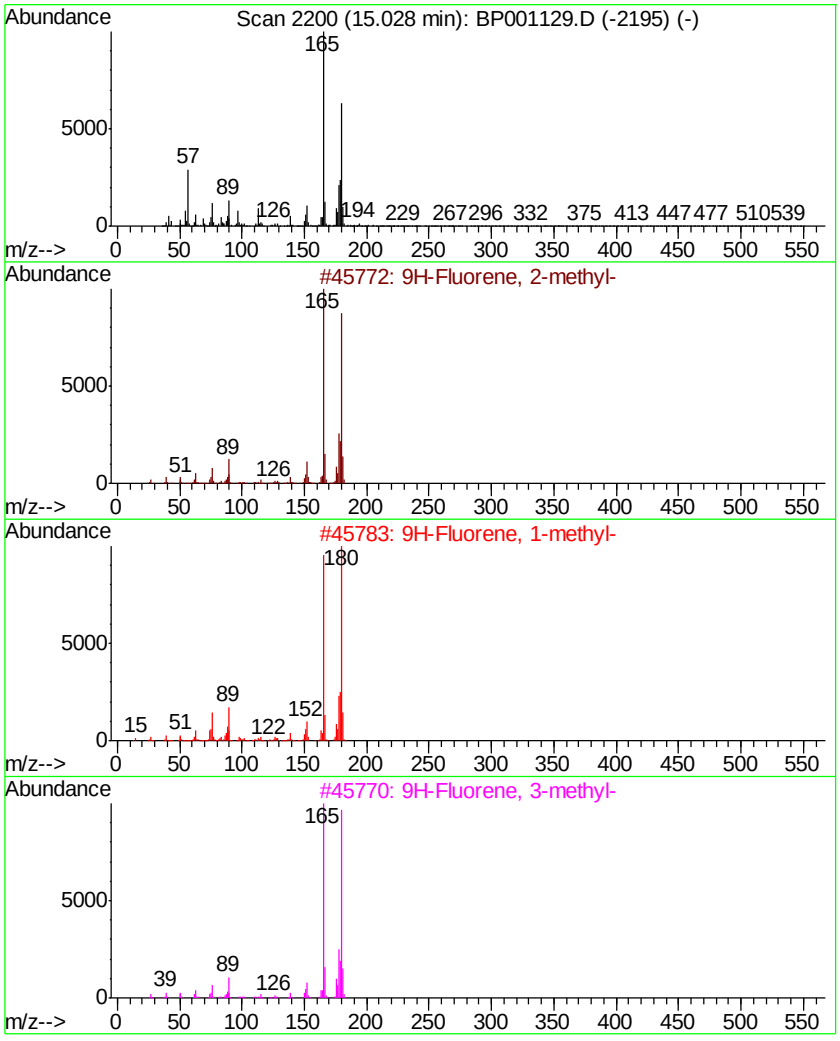
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

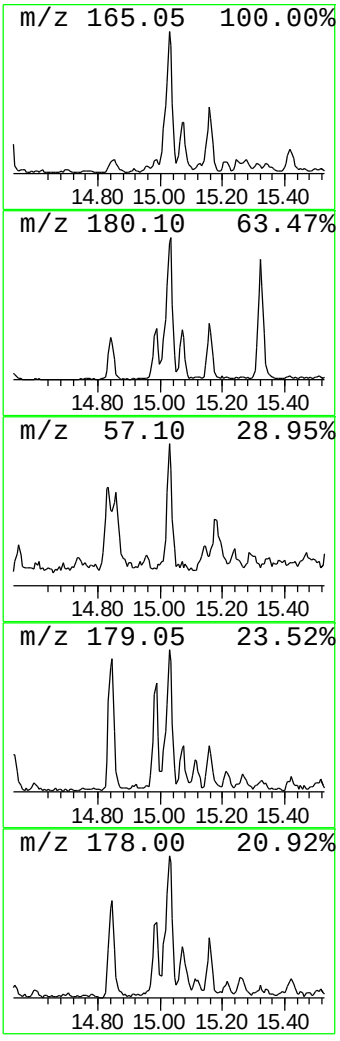
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.49 ng	173563	Phenanthrene-d10	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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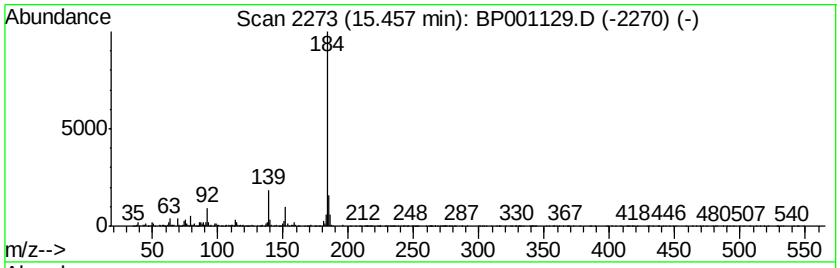
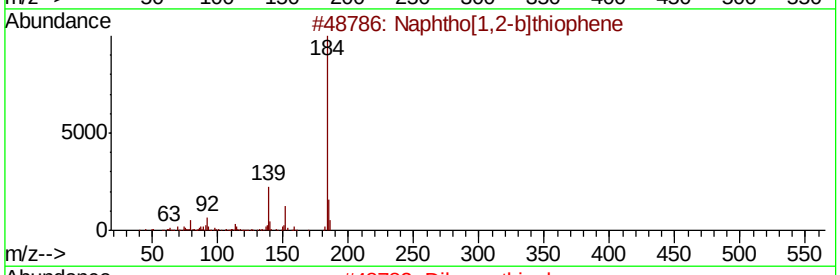
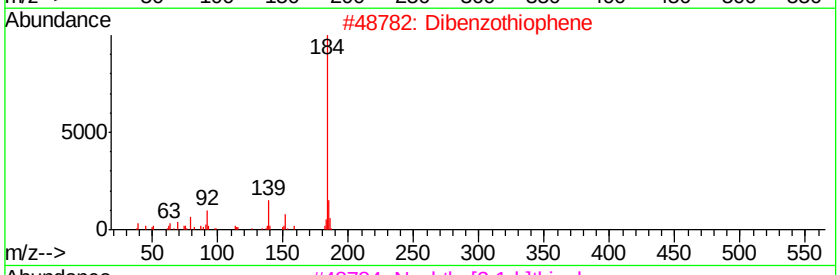
Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 16

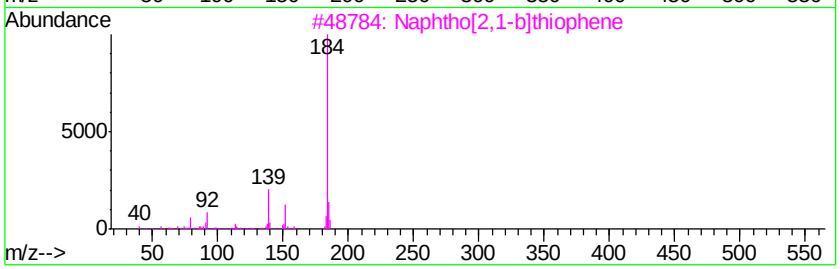
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	3.38 ng	235557	Phenanthrene-d10	15.62

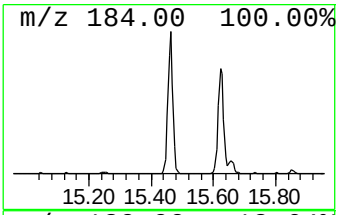
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91

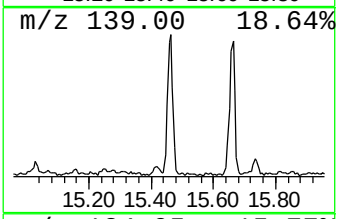


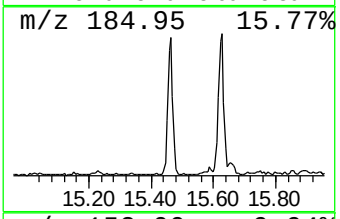


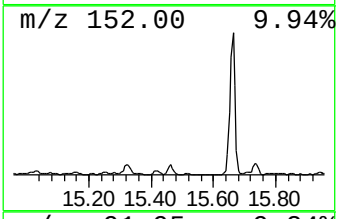


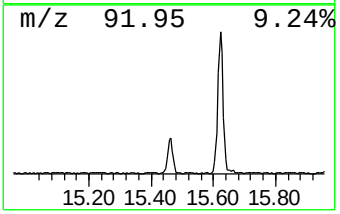












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Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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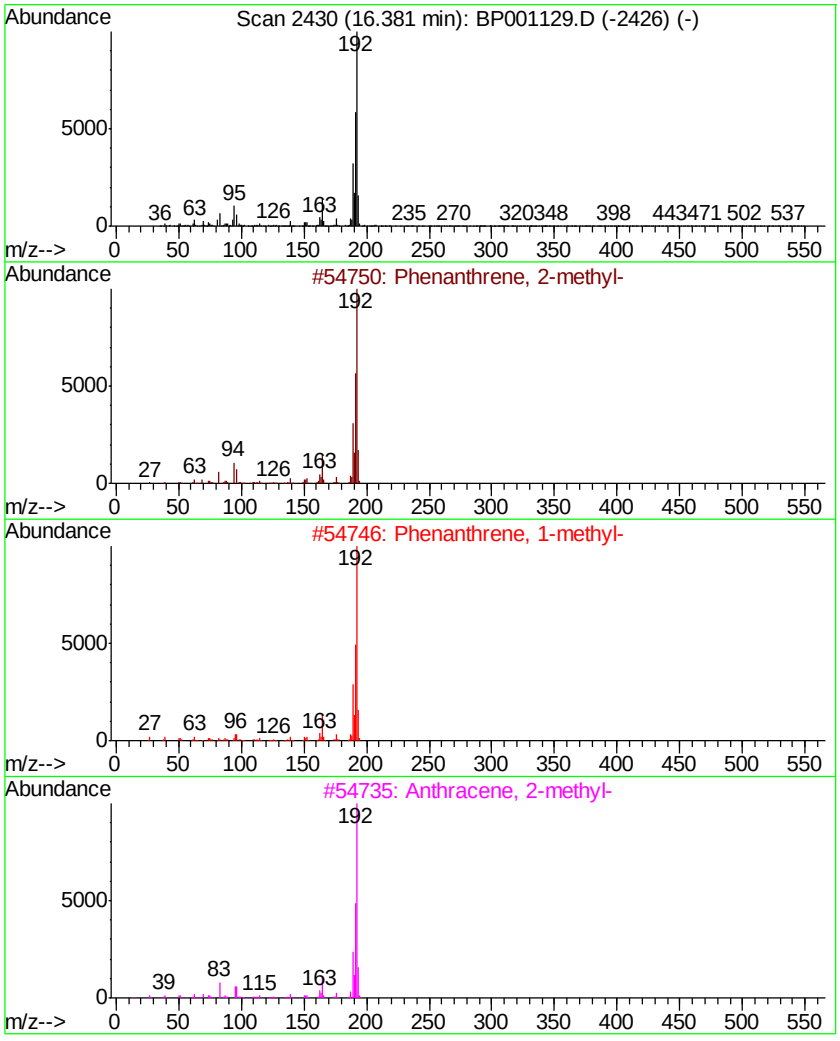
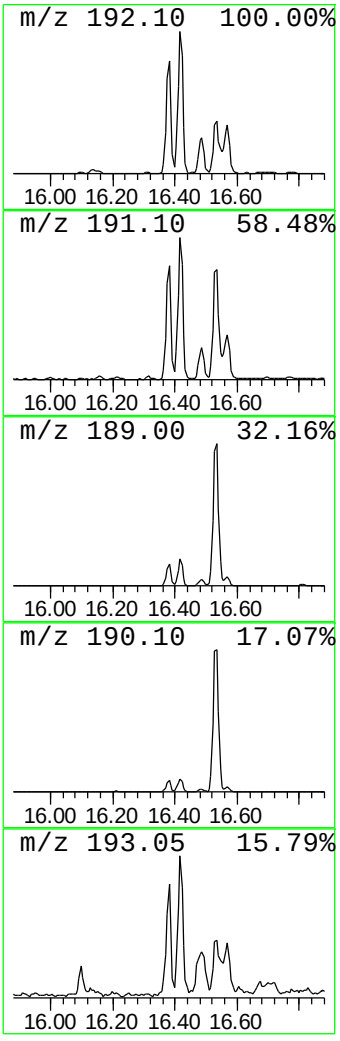
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	3.85 ng	268446	Phenanthrene-d10	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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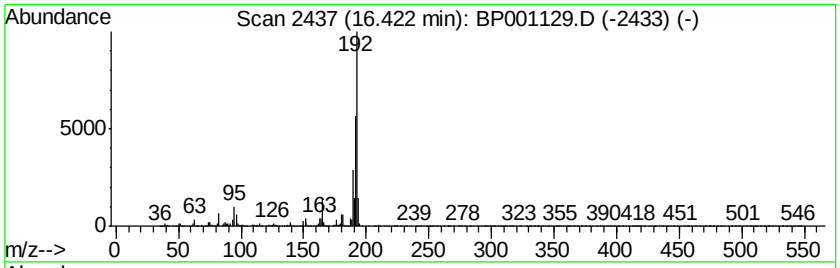
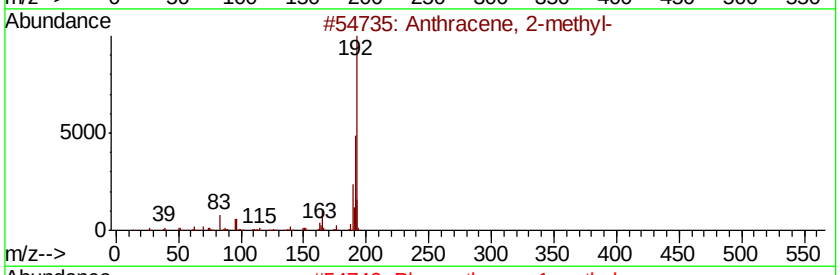
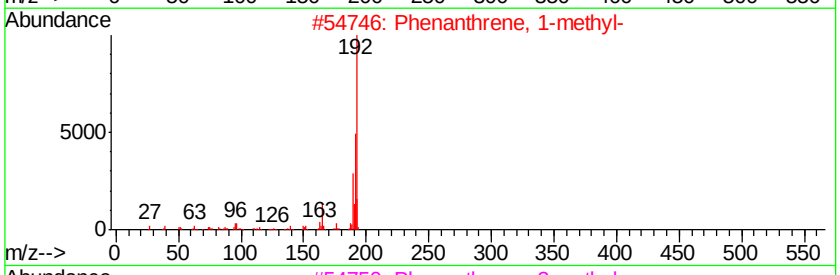
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

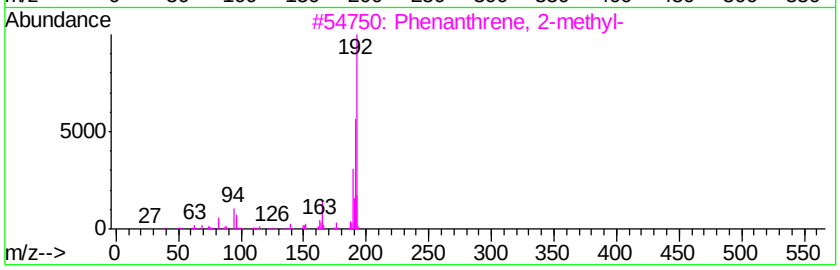
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	5.15 ng	359045	Phenanthrene-d10	15.62

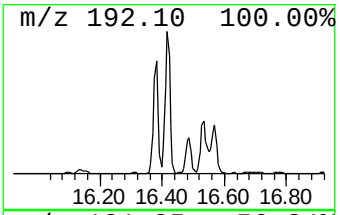
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93

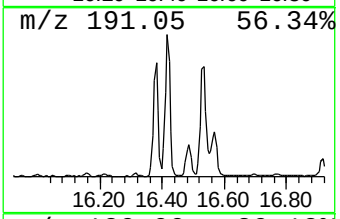


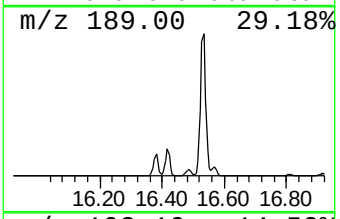


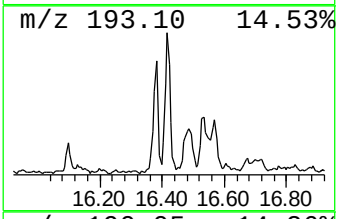


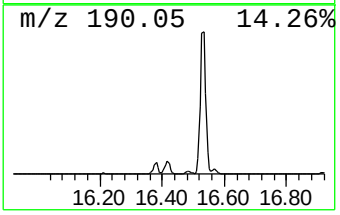












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Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

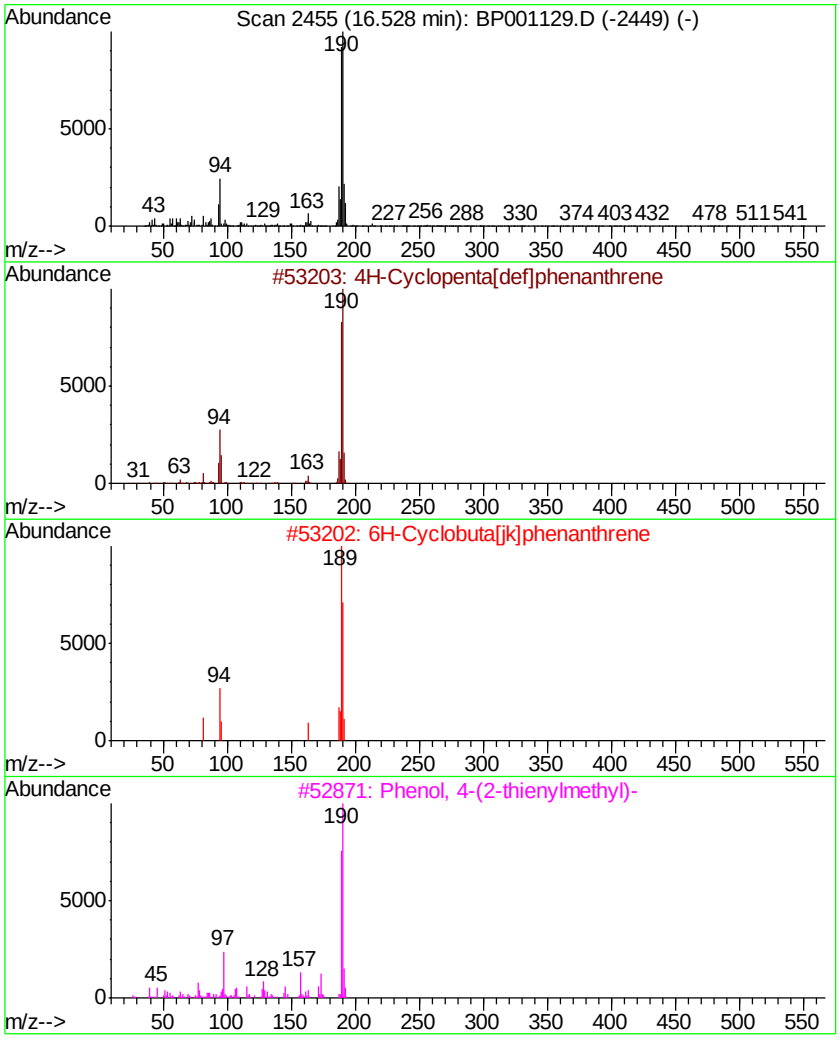
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

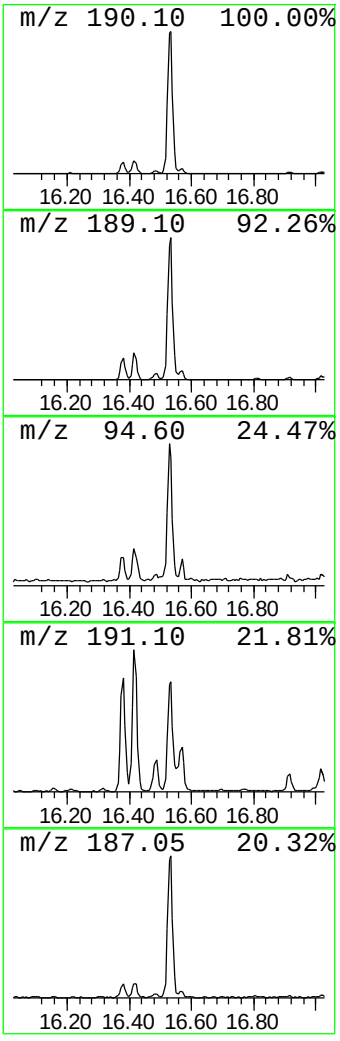
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	17.83 ng	1242920	Phenanthrene-d10	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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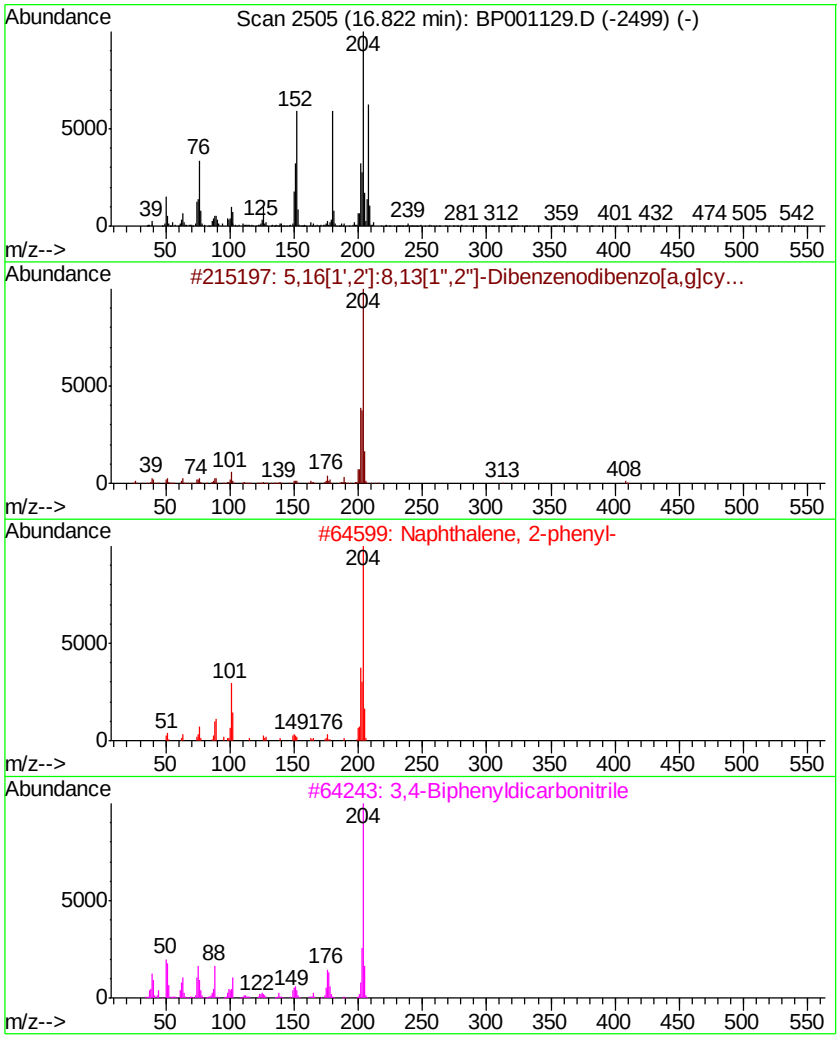
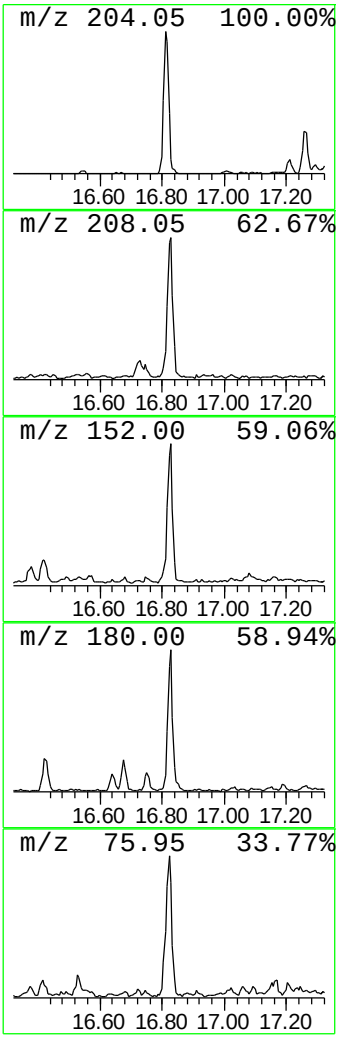
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	5.47 ng	381393	Phenanthrene-d10	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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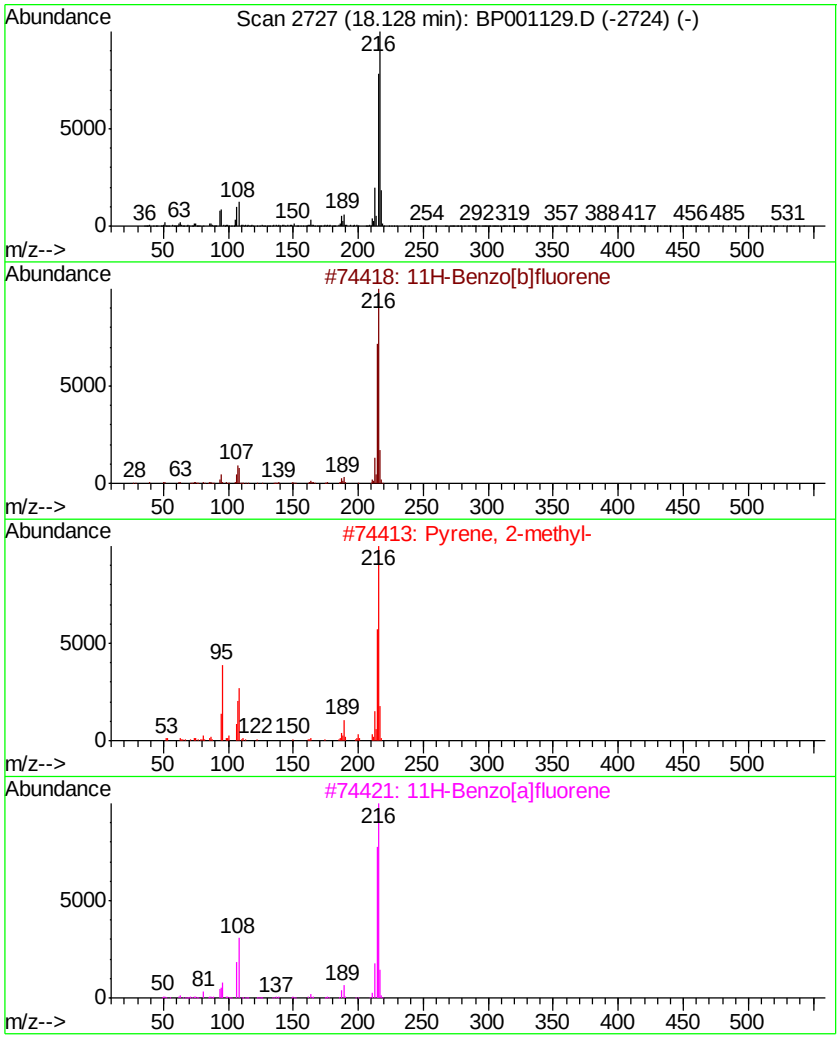
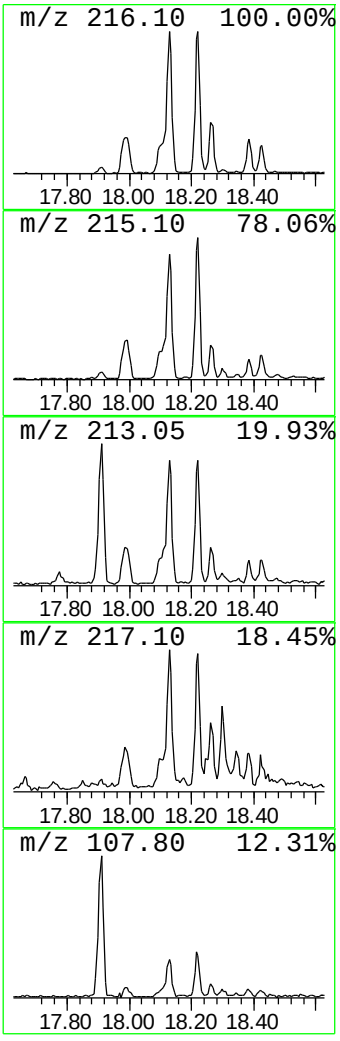
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.53 ng	290469	Chrysene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Instrument : BNA_P
ClientSampleId : RBR-28

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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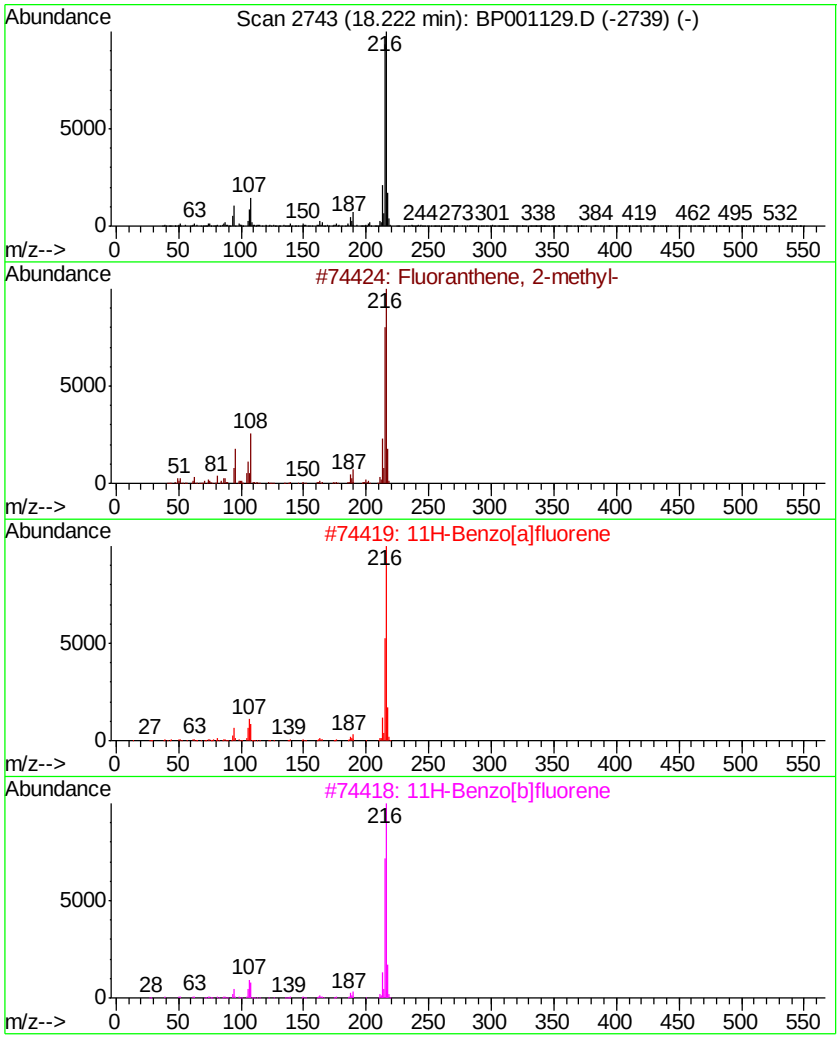
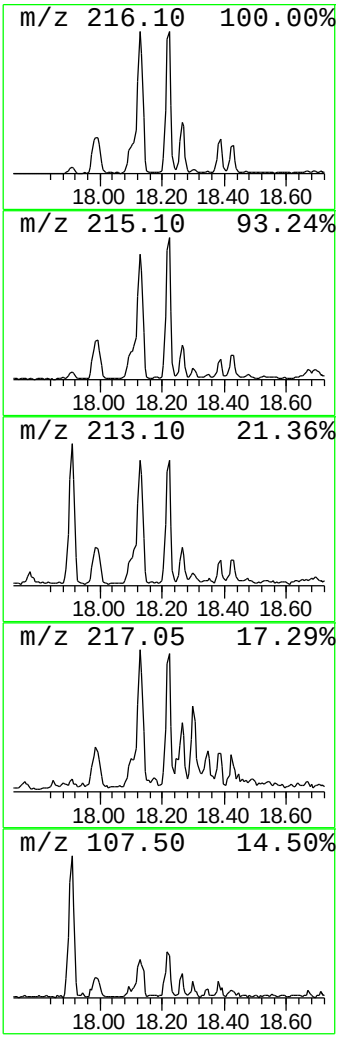
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.46 ng	282978	Chrysene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Instrument : BNA_P
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TIC Library : C:\DATABASE\NIST11.L
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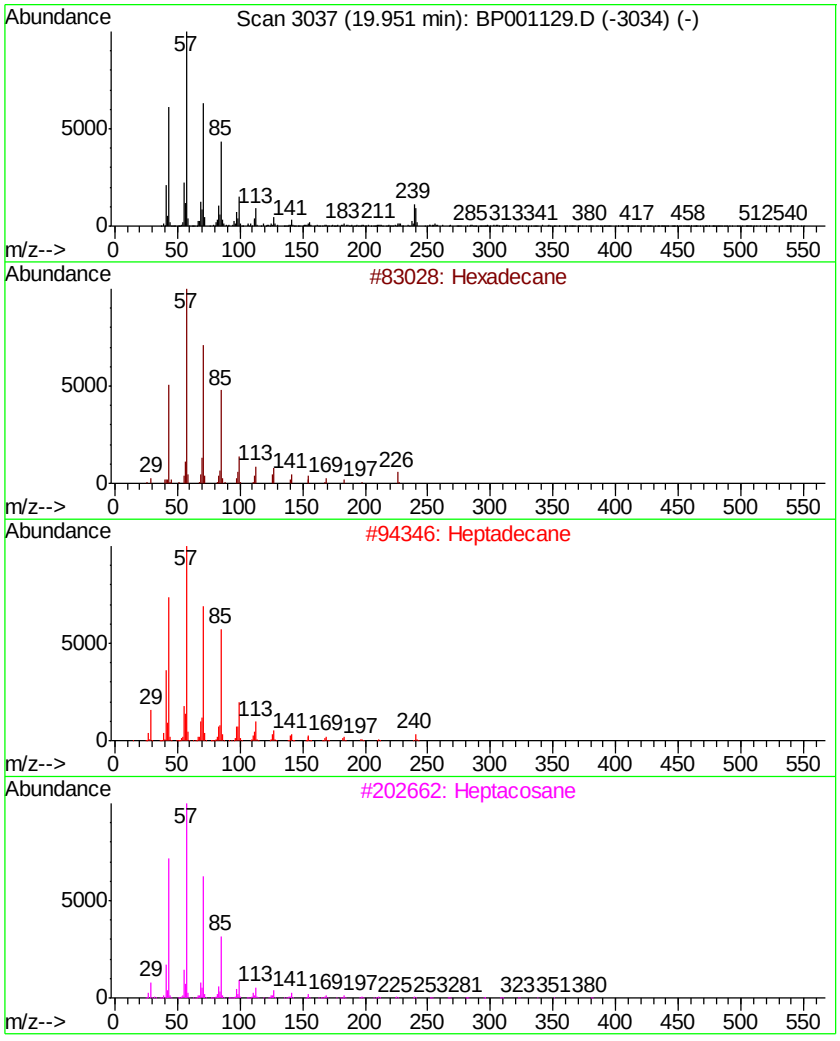
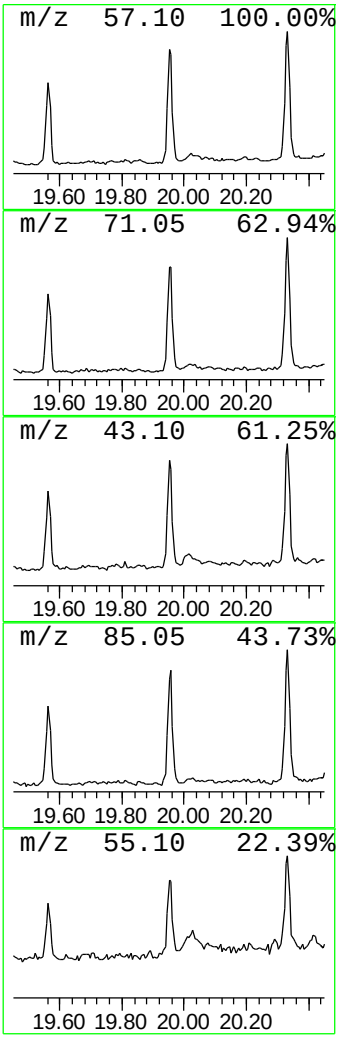
Peak Number 14 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	2.57 ng	294967	Chrysene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptacosane	380	C27H56	000593-49-7	93
4	Hentriacontane	437	C31H64	000630-04-6	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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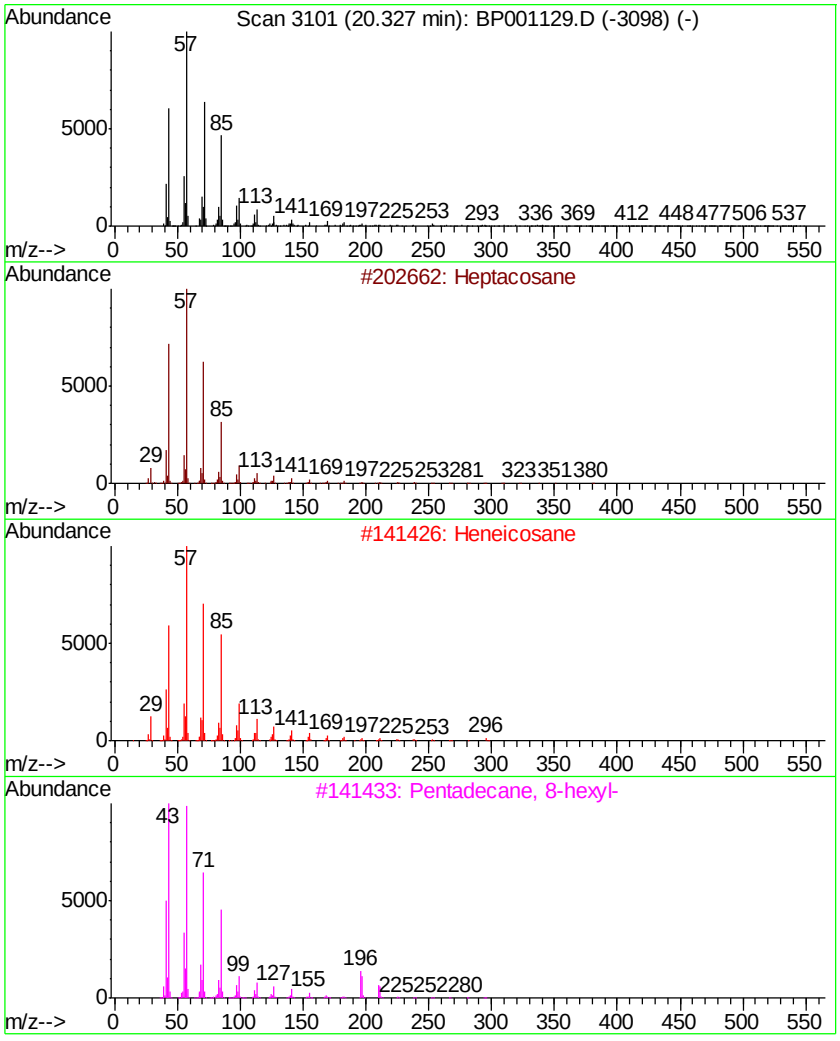
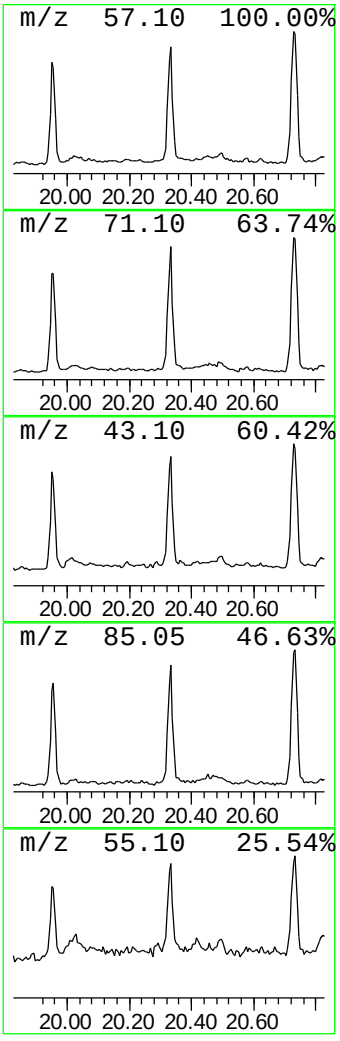
Peak Number 15 Heptacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	4.71 ng	291697	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	97
2	Heneicosane	296	C21H44	000629-94-7	97
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	94
5	Tetracosane	338	C24H50	000646-31-1	91





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ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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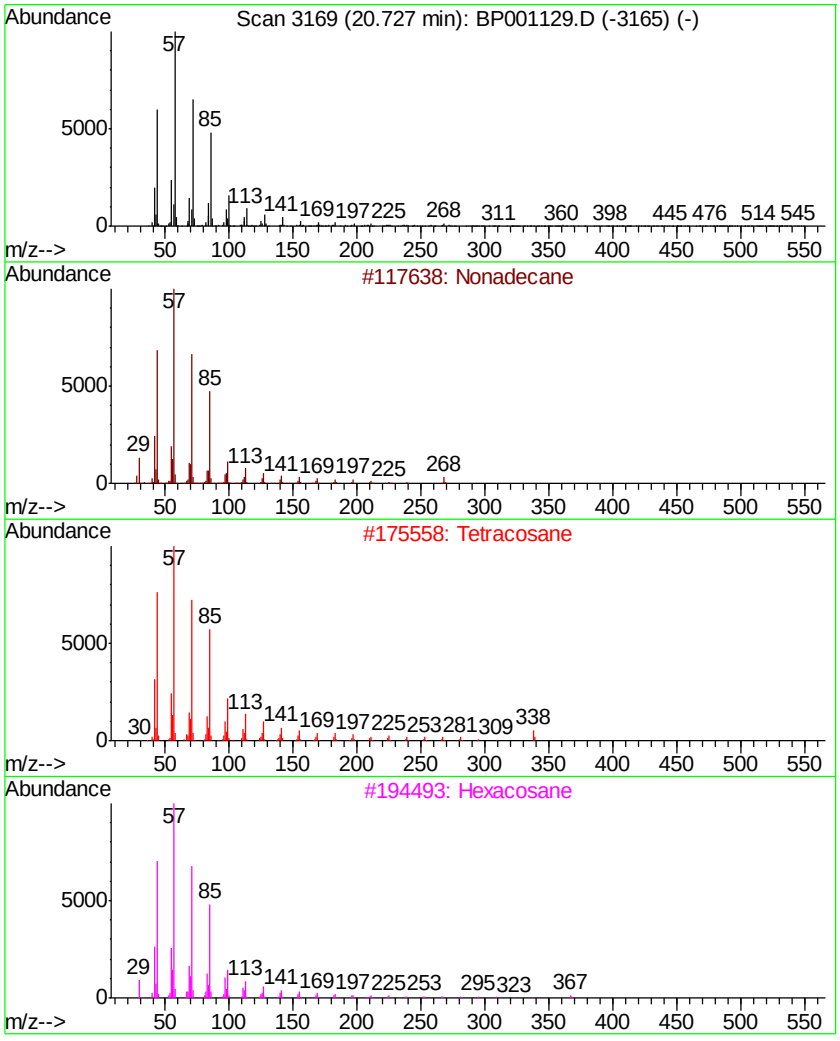
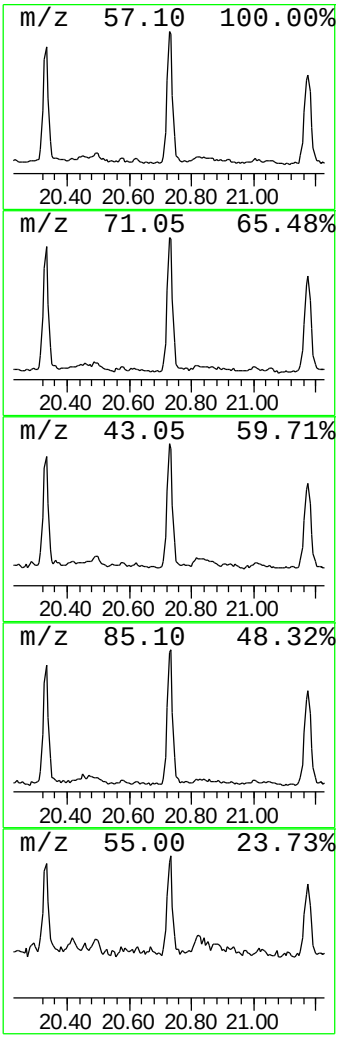
Peak Number 16 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	6.48 ng	401534	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetracosane	338	C24H50	000646-31-1	94
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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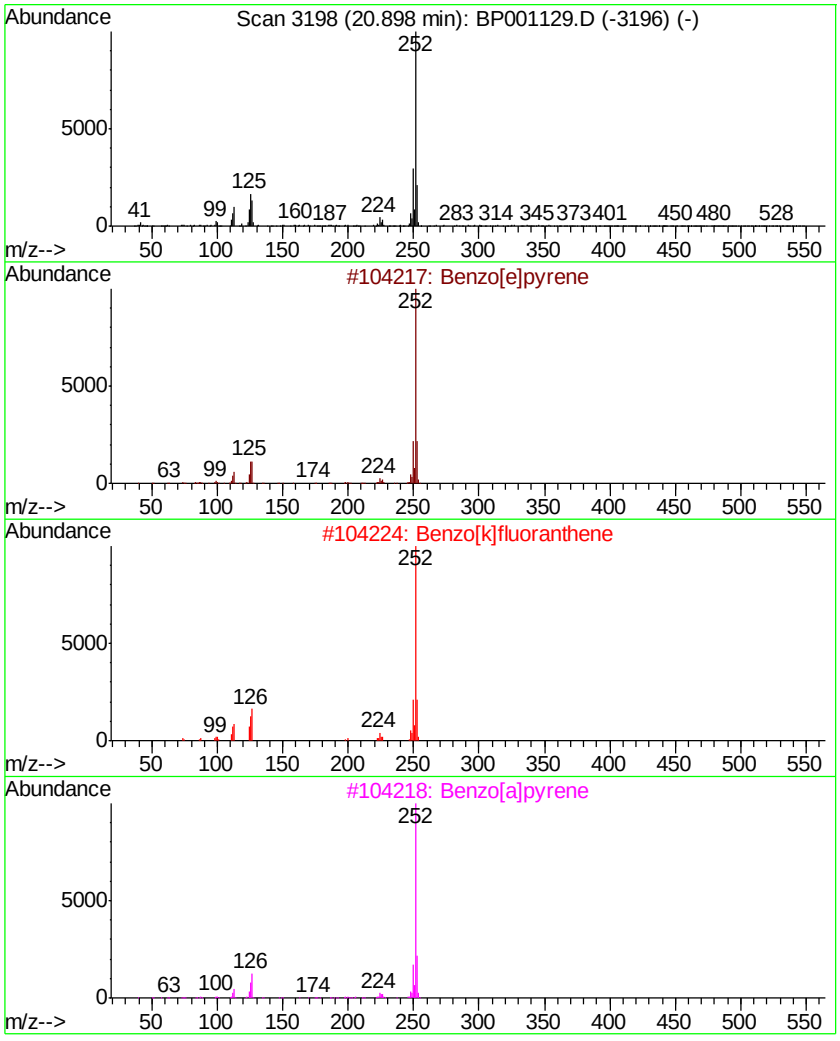
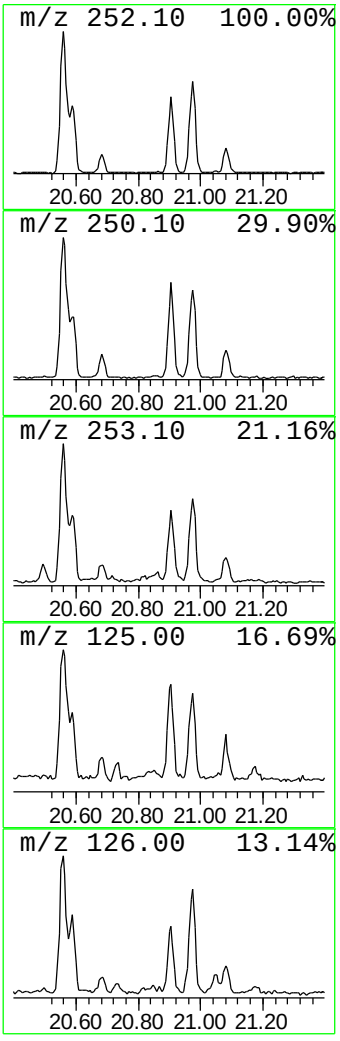
Peak Number 17 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	4.16 ng	257572	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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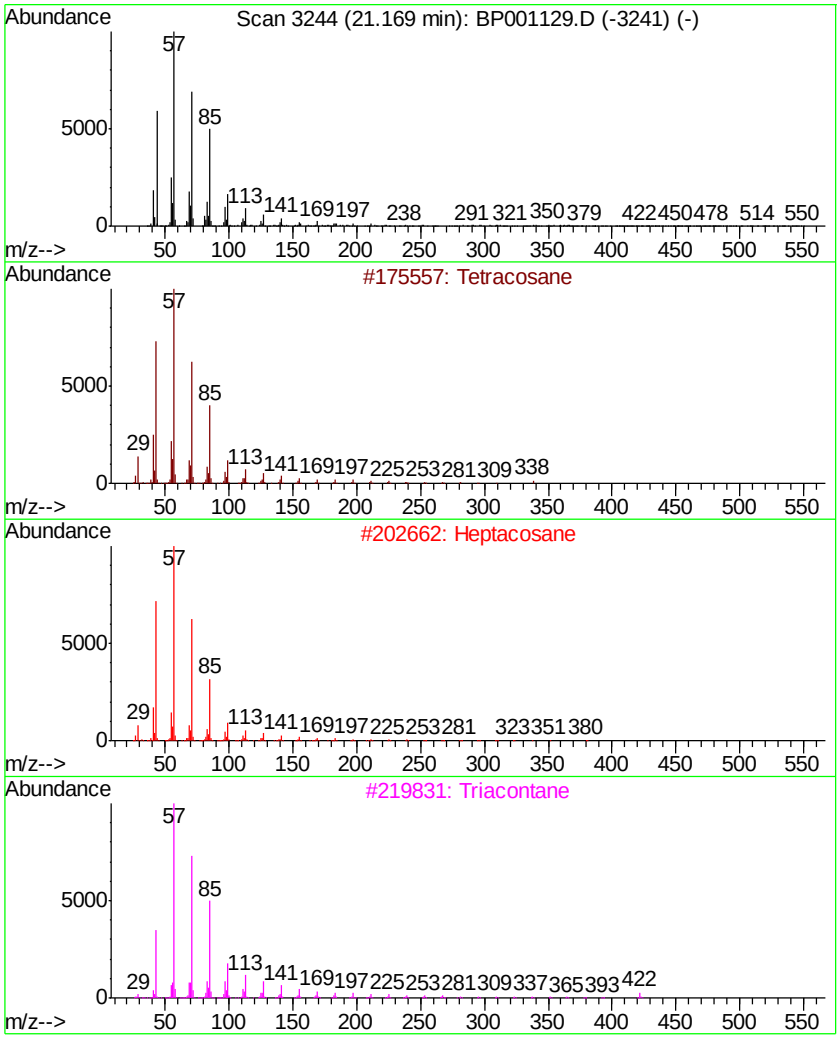
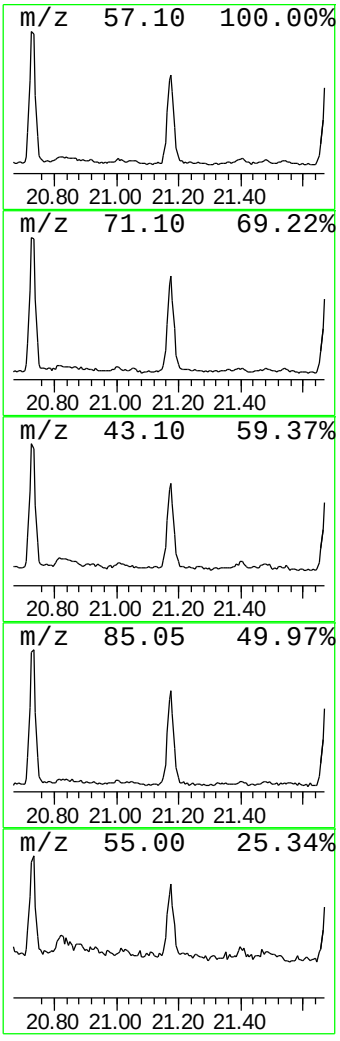
Peak Number 18 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.17	5.50 ng	340526	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Heptacosane	380	C27H56	000593-49-7	95
3	Triacontane	422	C30H62	000638-68-6	95
4	Eicosane	282	C20H42	000112-95-8	94
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	93





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Data File : BP001129.D
Acq On : 02 Dec 2019 16:44
Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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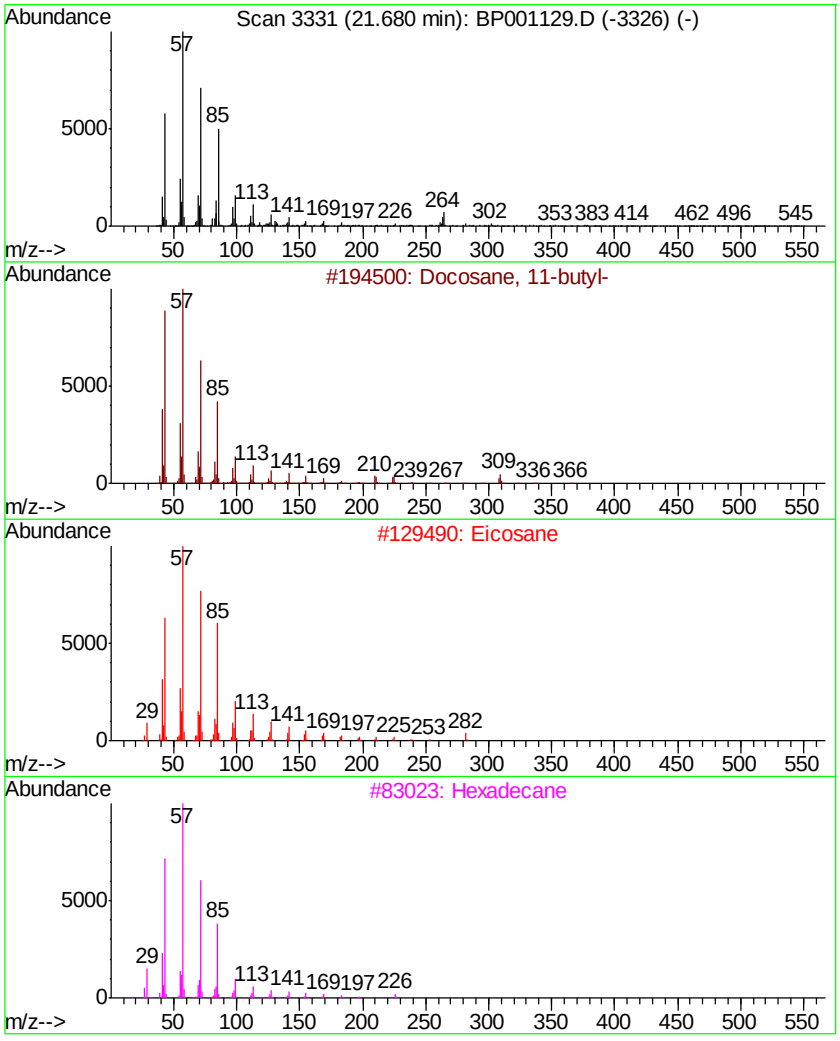
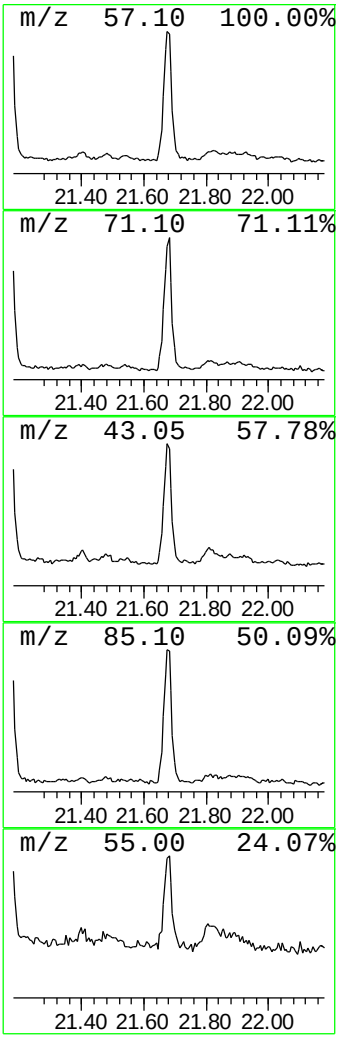
Peak Number 19 Docosane, 11-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	6.63 ng	410935	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heneicosane	296	C21H44	000629-94-7	87
5	Hexatriacontane	507	C36H74	000630-06-8	87





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Operator : JU
Sample : K6054-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-28

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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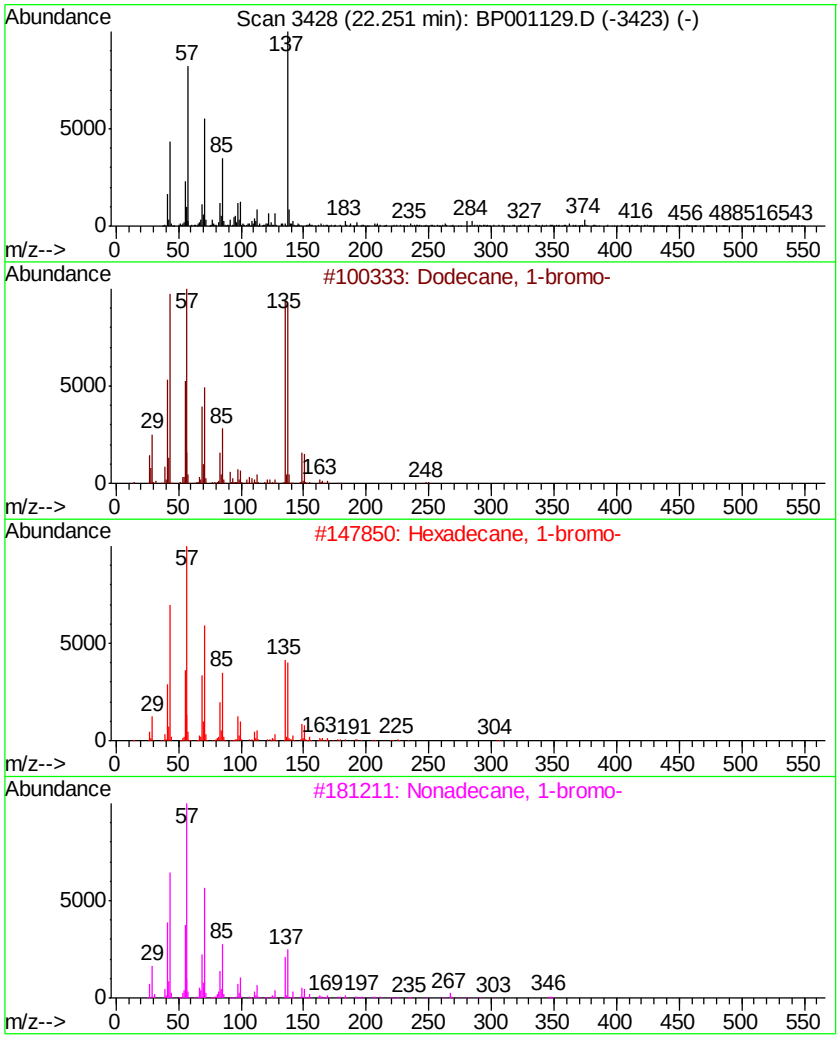
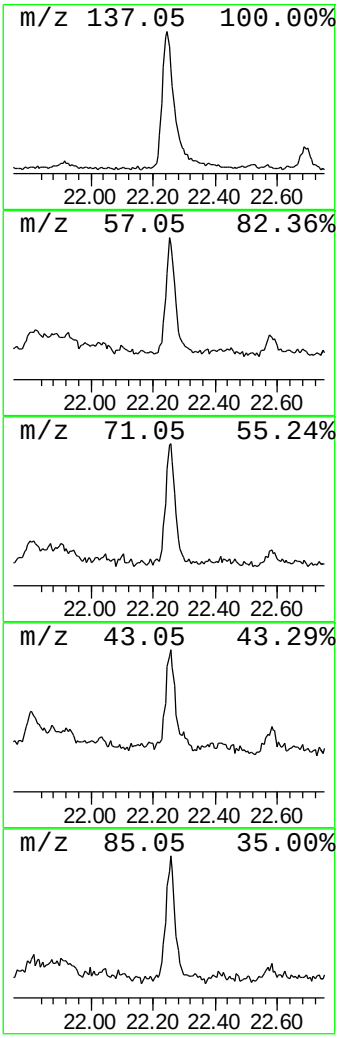
Peak Number 20 Dodecane, 1-bromo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	4.00 ng	247636	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-bromo-	248	C12H25Br	000143-15-7	64
2	Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	38
3	Nonadecane, 1-bromo-	346	C19H39Br	004434-66-6	38
4	Eicosane, 10-heptyl-10-octyl-	493	C35H72	055470-98-9	32
5	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	30





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.64	17.9	ng	924230	1	8.33	1033930	20.0
(1R)-2,6,6-Trimet...	7.23	22.7	ng	1173600	1	8.33	1033930	20.0
.beta.-Pinene	7.88	4.5	ng	235476	1	8.33	1033930	20.0
unknown7.96	7.96	85.5	ng	4417210	1	8.33	1033930	20.0
9H-Fluorene, 2-me...	15.03	2.5	ng	173563	4	15.62	1394060	20.0
Naphtho[1,2-b]thi...	15.46	3.4	ng	235557	4	15.62	1394060	20.0
Phenanthrene, 2-m...	16.38	3.9	ng	268446	4	15.62	1394060	20.0
Anthracene, 2-met...	16.42	5.2	ng	359045	4	15.62	1394060	20.0
4H-Cyclopenta[def...	16.53	17.8	ng	1242920	4	15.62	1394060	20.0
5,16[1',2']:8,13[...	16.82	5.5	ng	381393	4	15.62	1394060	20.0
11H-Benzo[b]fluorene	18.13	2.5	ng	290469	5	19.27	2299400	20.0
Fluoranthene, 2-m...	18.22	2.5	ng	282978	5	19.27	2299400	20.0
Hexadecane	19.95	2.6	ng	294967	5	19.27	2299400	20.0
Heptacosane	20.33	4.7	ng	291697	6	21.05	1239060	20.0
Nonadecane	20.73	6.5	ng	401534	6	21.05	1239060	20.0
Benzo[e]pyrene	20.90	4.2	ng	257572	6	21.05	1239060	20.0
Tetracosane	21.17	5.5	ng	340526	6	21.05	1239060	20.0
Docosane, 11-butyl-	21.68	6.6	ng	410935	6	21.05	1239060	20.0
Dodecane, 1-bromo-	22.25	4.0	ng	247636	6	21.05	1239060	20.0