LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

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-BP110619.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	2.317	33	39	49	rVB	714537	1052220	13.04%	1.337%
2	5.734	615	620	633	rBV	457254	681663	8.45%	0.866%
3	6.305	707	717	721	rBV	3109224	3795650	47.06%	4.823%
4	7.811	964	973	982	rBV	3126490	4363932	54.10%	5.545%
5	8.011	1001	1007	1012	rBV	3619409	4309087	53.42%	5.475%
6	8.369	1063	1068	1076	rVB	1241857	1461187	18.11%	1.856%
7	8.611	1104	1109	1114	rVB	3058394	3550711	44.02%	4.511%
8	9.246	1210	1217	1221	rBV	2257443	2629374	32.60%	3.341%
9	10.399	1407	1413	1417	rBV	1673536	1909820	23.68%	2.427%
10	10.434	1417	1419	1426	rVB	93087	93942	1.16%	0.119%
11	12.175	1709	1715	1720	rBV	4822516	5630612	69.80%	7.154%
12	12.840	1825	1828	1834	rVB	346934	390746	4.84%	0.496%
13	13.022	1852	1859	1864	rBV	285086	332726	4.12%	0.423%
14	13.257	1893	1899	1905	rBV	2022232	2428546	30.11%	3.086%
15	14.551	2111	2119	2132	rBV	3287739	4238131	52.54%	5.385%
16	15.651	2301	2306	2310	rBV	2368862	2654674	32.91%	3.373%
17	15.687	2310	2312	2318	rVB	155710	155878	1.93%	0.198%
18	15.763	2321	2325	2327	rVV	113323	121388	1.50%	0.154%
19	15.792	2327	2330	2336	rVB3	147091	167386	2.08%	0.213%
20	16.404	2430	2434	2437	rBV	69907	81255	1.01%	0.103%
21	16.445	2437	2441	2446	rVB	118878	140260	1.74%	0.178%
22	16.534	2453	2456	2458	rBV	217824	236779	2.94%	0.301%
23	16.557	2458	2460	2464	rVV2	215326	243798	3.02%	0.310%
24	16.592	2464	2466	2470	rVB	76014	84047	1.04%	0.107%
25	16.839	2504	2508	2516	rVB3	70736	115179	1.43%	0.146%
26	17.187	2563	2567	2571	rBV2	130236	167488	2.08%	0.213%
27	17.234	2571	2575	2578	rBV2	81509	97920	1.21%	0.124%
28	17.392	2598	2602	2606	rBV	1109560	1211946	15.02%	1.540%
29	17.522	2620	2624	2631	rVB	174458	204813	2.54%	0.260%
30	17.622	2638	2641	2646	rVB	137145	132927	1.65%	0.169%
31	17.698	2649	2654	2658	rVB	1358890	1576151	19.54%	2.003%
32	17.875	2681	2684	2687	rBV2	78450	86950	1.08%	0.110%
33	17.934	2687	2694	2698	rBV	7469509	8066341	100.00%	10.249%
34	18.010	2703	2707	2717	rVV4	146526	293615	3.64%	0.373%

LSC Area Percent Report

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Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

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-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.128	2721	2727	2728	rVV3	164504	269895	3.35%	0.343%
36	18.151	2728	2731	2736	rVB	320662	385263	4.78%	0.489%
37	18.239	2743	2746	2751	rBV	191458	218403	2.71%	0.277%
38	18.286	2751	2754	2760	rVV2	252037	317010	3.93%	0.403%
39	18.375	2765	2769	2771	rBV	85345	101669	1.26%	0.129%
40	18.404	2771	2774	2778	rVB	167055	184497	2.29%	0.234%
41	18.445	2778	2781	2787	rBV	148367	172860	2.14%	0.220%
42	18.586	2801	2805	2813	rVB3	76297	115438	1.43%	0.147%
43	18.692	2813	2823	2825	rBV5	108733	237599	2.95%	0.302%
44	18.816	2838	2844	2852	rVB3	118131	242542	3.01%	0.308%
45	18.963	2864	2869	2873	rBV2	157824	241646	3.00%	0.307%
46	19.004	2873	2876	2878	rVV	148562	158253	1.96%	0.201%
47	19.028	2878	2880	2882	rVB	136731	118952	1.47%	0.151%
48	19.081	2887	2889	2895	rVB2	78365	93890	1.16%	0.119%
49	19.157	2898	2902	2915	rVB4	624537	824222	10.22%	1.047%
50	19.292	2918	2925	2928	rBV2	3168117	5046236	62.56%	6.411%
51	19.322	2928	2930	2934	rVB	1124836	1060474	13.15%	1.347%
52	19.422	2945	2947	2950	rVB	112970	102704	1.27%	0.130%
53	19.469	2952	2955	2957	rBV	102783	91525	1.13%	0.116%
54	19.751	2999	3003	3005	rBV	110888	140979	1.75%	0.179%
55	19.792	3005	3010	3014	rVV	399013	518788	6.43%	0.659%
56	19.833	3014	3017	3022	rVB	185832	218089	2.70%	0.277%
57	19.910	3027	3030	3033	rVV2	242705	255166	3.16%	0.324%
58	19.951	3033	3037	3038	rVV3	184377	219231	2.72%	0.279%
59	19.975	3038	3041	3047	rVB2	287951	376300	4.67%	0.478%
60	20.051	3052	3054	3058	rVB2	104276	104217	1.29%	0.132%
61	20.116	3062	3065	3071	rVB	101326	123838	1.54%	0.157%
62	20.351	3102	3105	3110	rBV2	117345	164777	2.04%	0.209%
63	20.433	3116	3119	3123	rVB	337549	368229	4.57%	0.468%
64	20.580	3139	3144	3147	rBV	1350816	2221423	27.54%	2.822%
65	20.610	3147	3149	3156	rVB	778342	862226	10.69%	1.095%
66	20.704	3162	3165	3169	rVB	373602	430463	5.34%	0.547%
67	20.751	3170	3173	3179	rVB	173101	226901	2.81%	0.288%
68	20.927	3198	3203	3210	rVB	767929	1023760	12.69%	1.301%
69	20.998	3210	3215	3220	rVB	1223232	1611513	19.98%	2.047%
70	21.075	3222	3228	3232	rBV	2343408	3219701	39.92%	4.091%
71	21.110	3232	3234	3238	rVB	287381	277757	3.44%	0.353%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

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-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.198	3246	3249	3255	rVB3	199491	313765	3.89%	0.399%
73	21.710	3332	3336	3340	rBV3	174345	260327	3.23%	0.331%
74	22.539	3473	3477	3486	rVB4	126792	321983	3.99%	0.409%
75	22.733	3503	3510	3521	rVB2	570140	1404693	17.41%	1.785%
76	22.939	3541	3545	3550	rBV2	91725	149849	1.86%	0.190%
77	23.221	3587	3593	3601	rVB	420520	886870	10.99%	1.127%
78	23.486	3633	3638	3646	rVB	145476	315589	3.91%	0.401%

Sum of corrected areas: 78706654

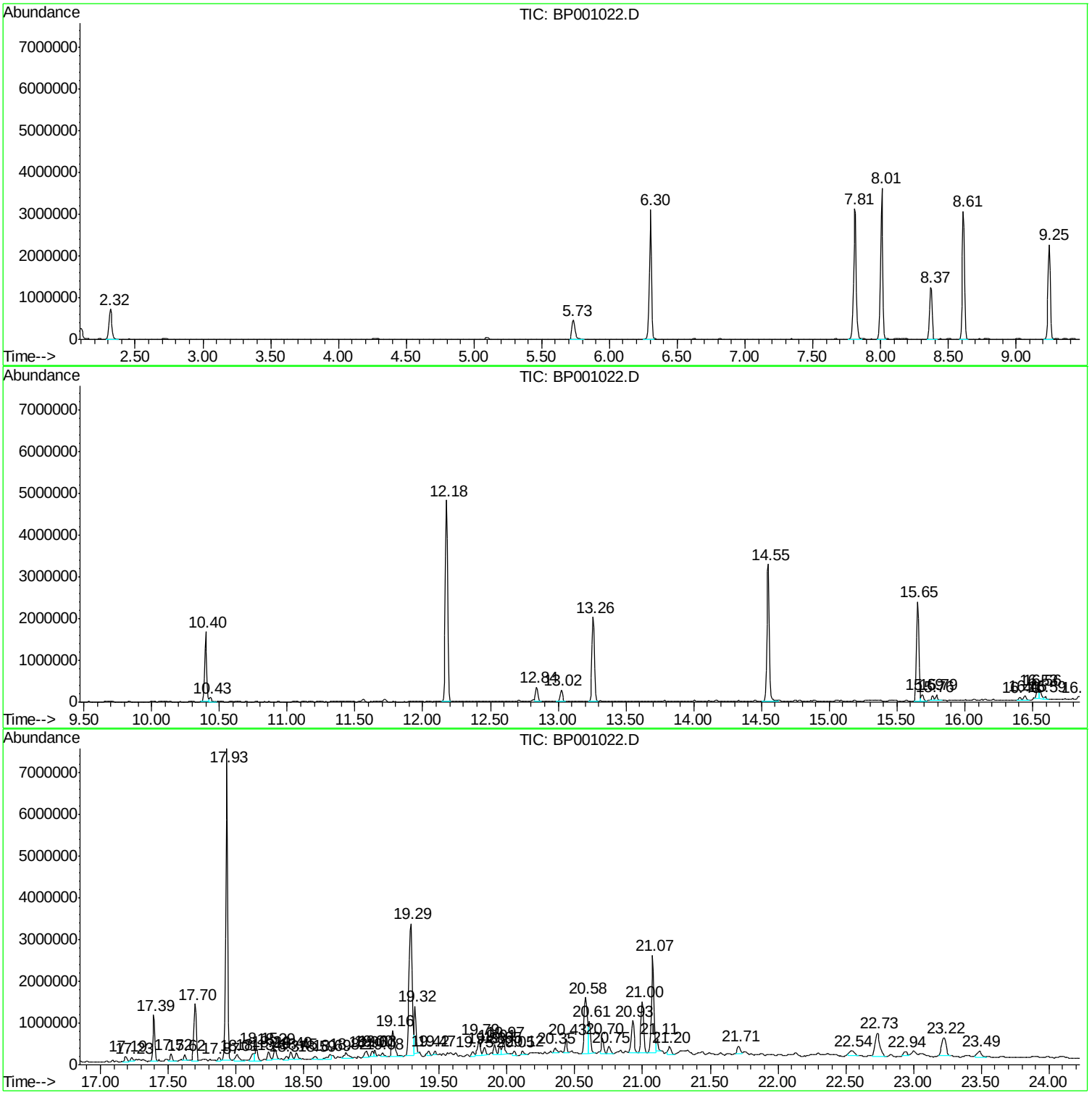
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

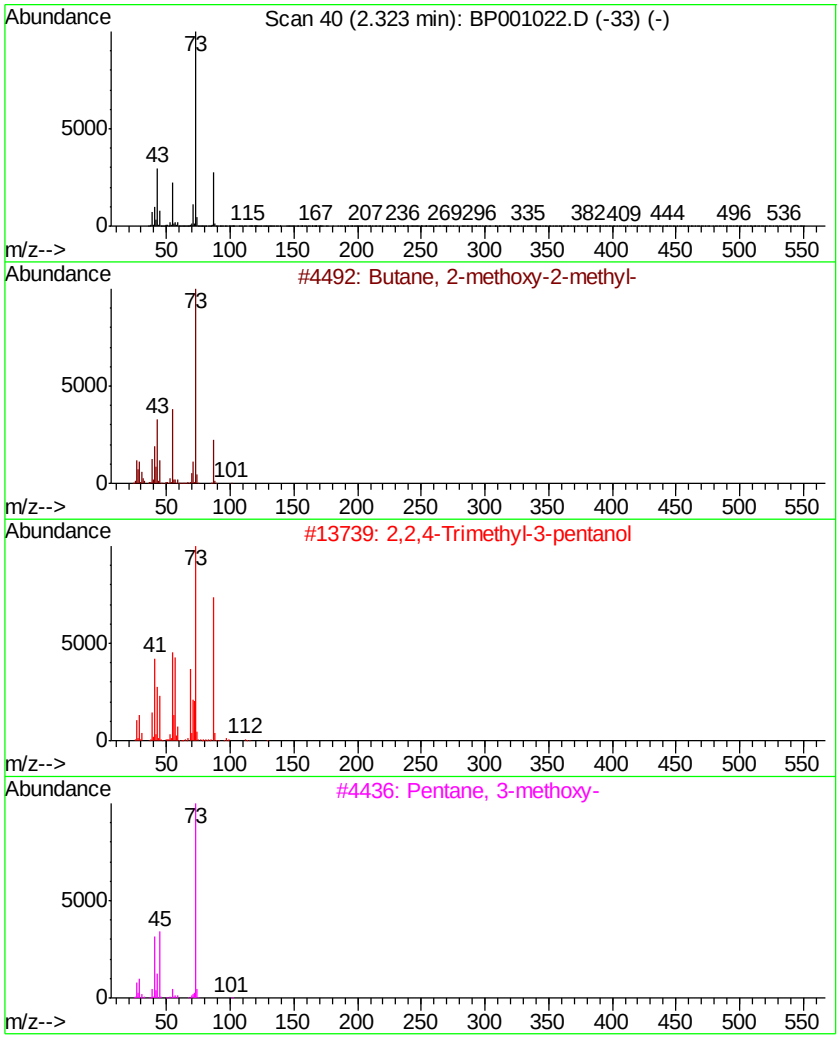
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

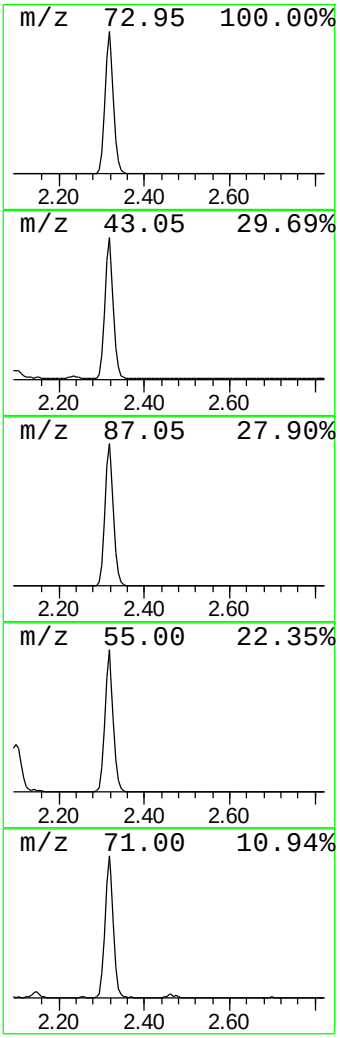
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	14.40 ng	1052220	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

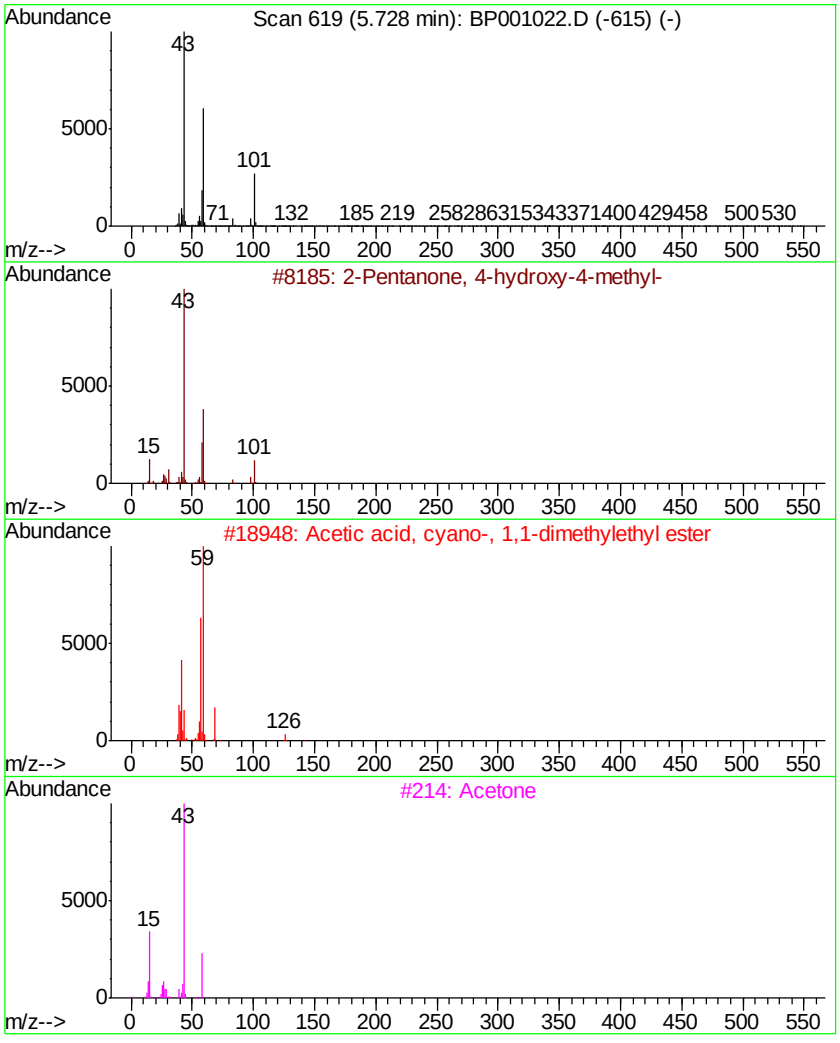
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

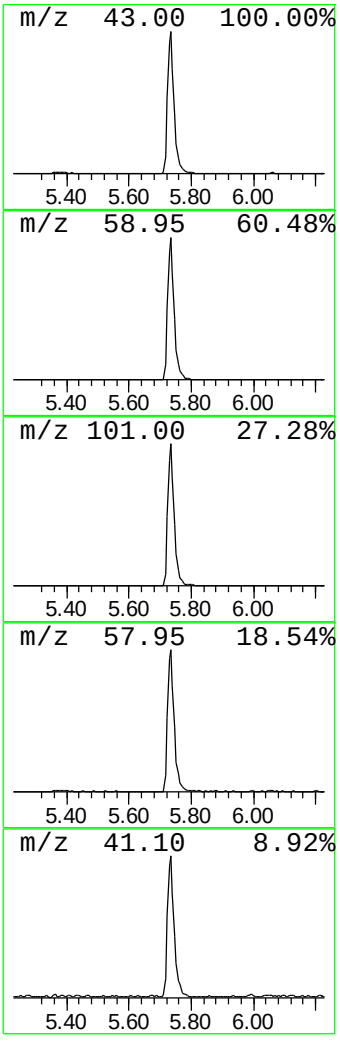
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	9.33 ng	681663	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

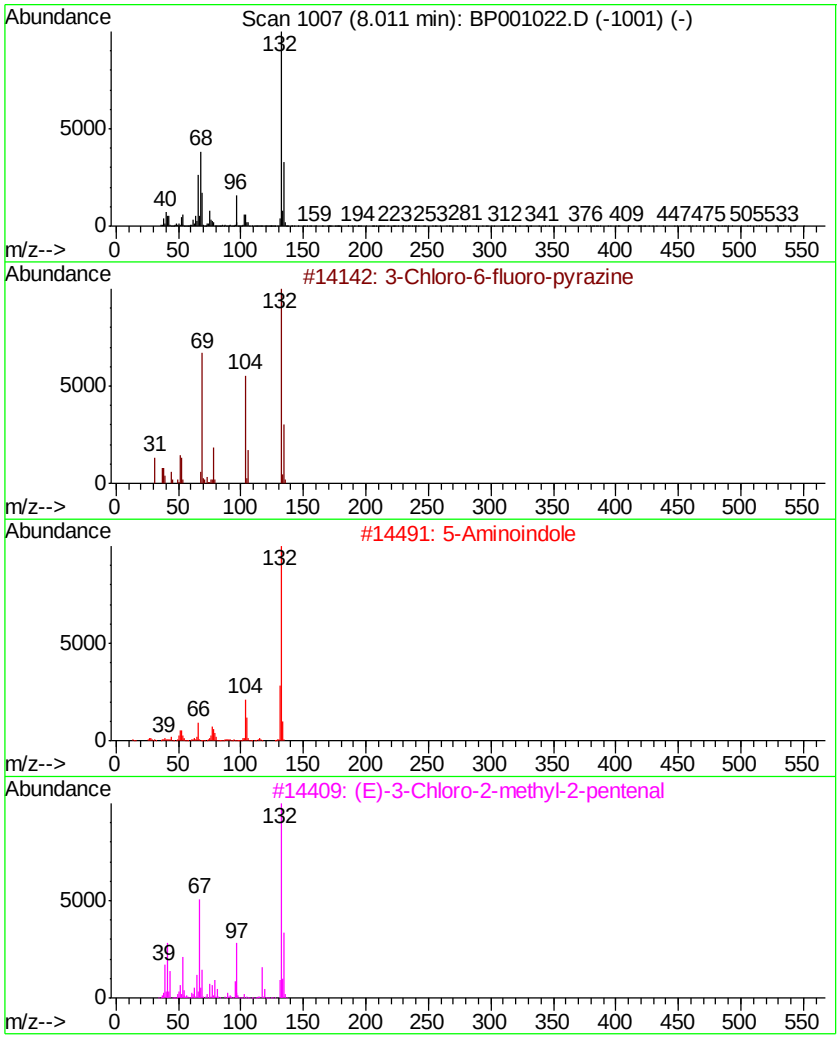
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

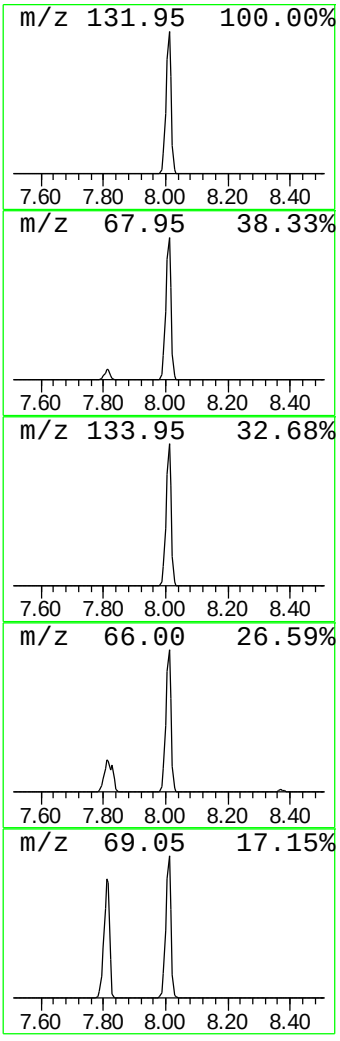
****

Peak Number 3 unknown8.01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	58.98 ng	4309090	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
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Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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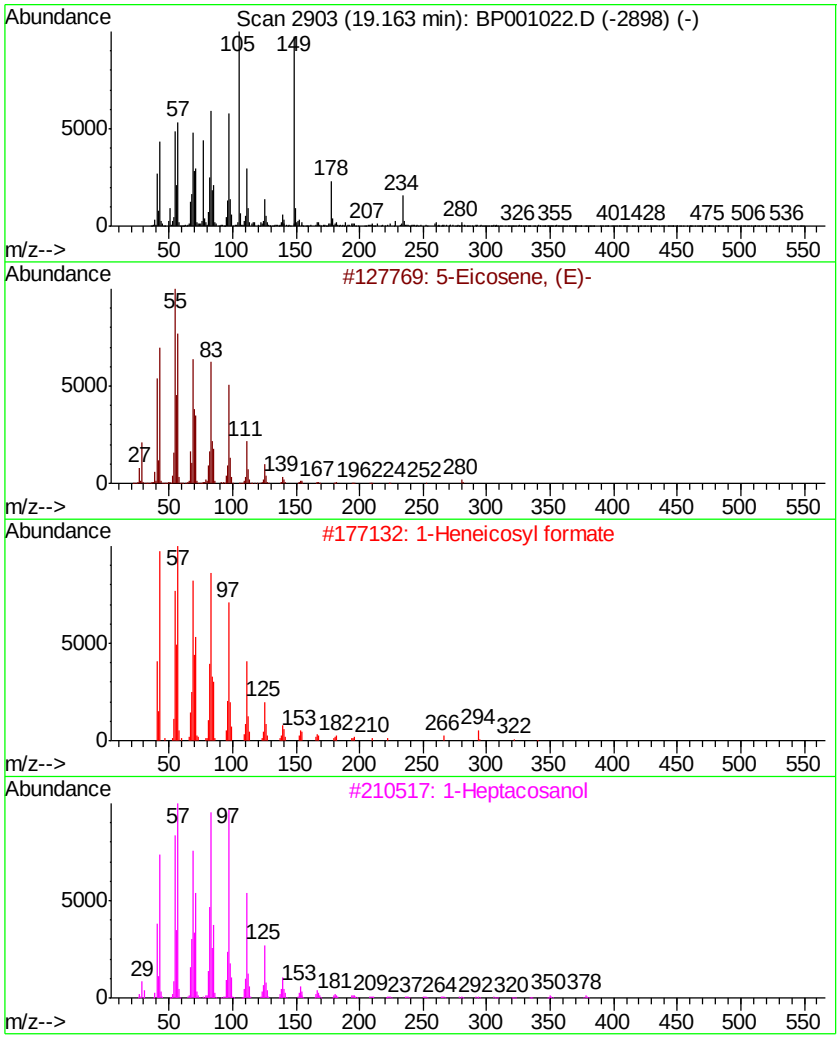
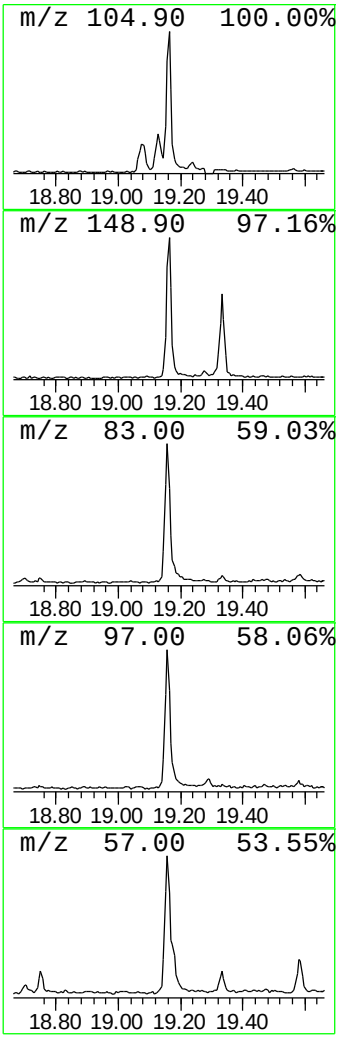
****

Peak Number 5 5-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	3.27 ng	824222	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	1-Heptacosanol	396	C27H56O	002004-39-9	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	90
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
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Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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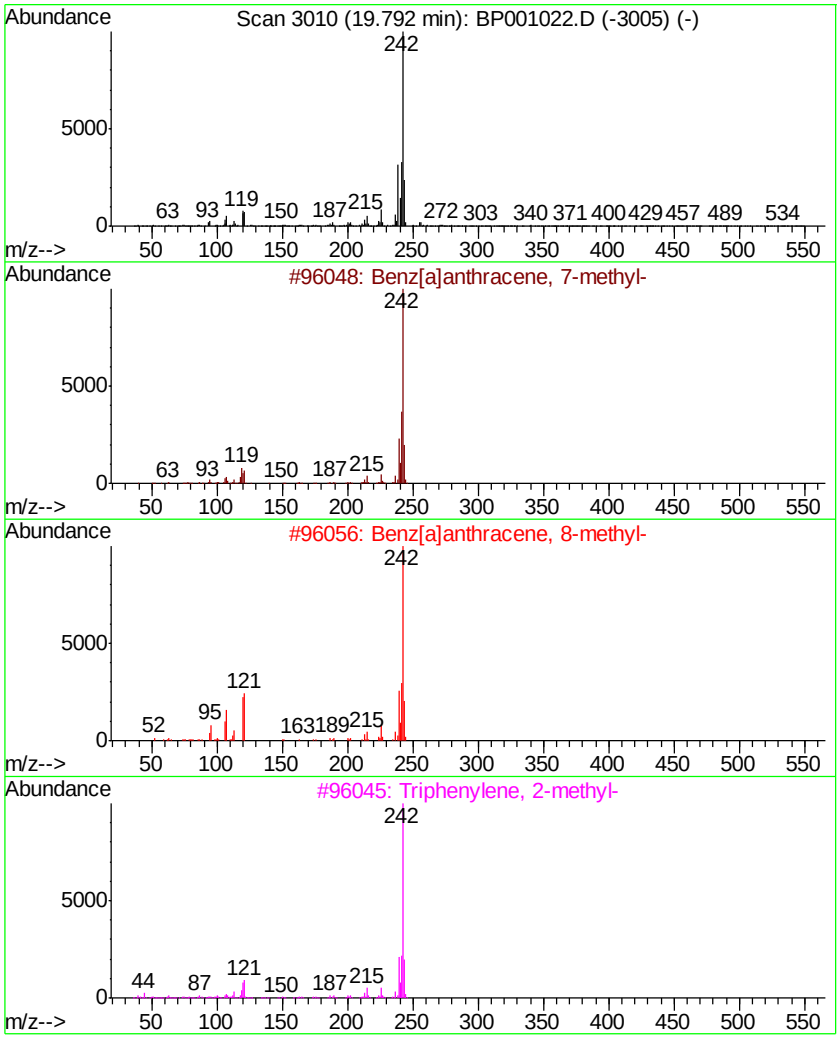
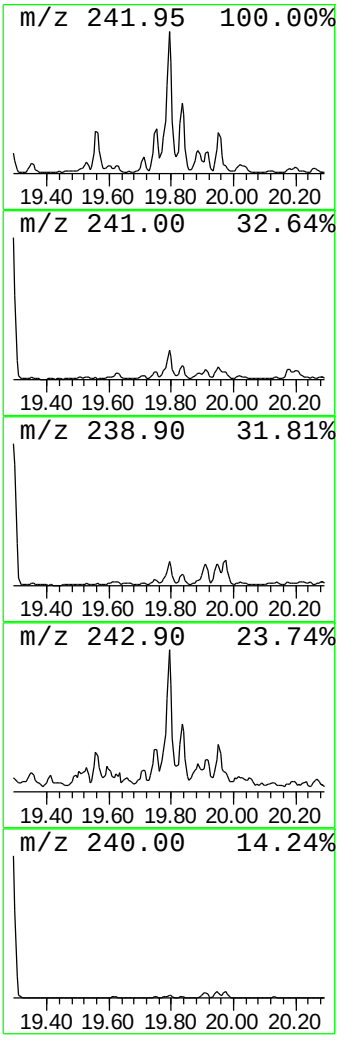
Peak Number 6 Triphenylene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	2.06 ng	518788	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	2-Methylchrysene	242	C19H14	003351-32-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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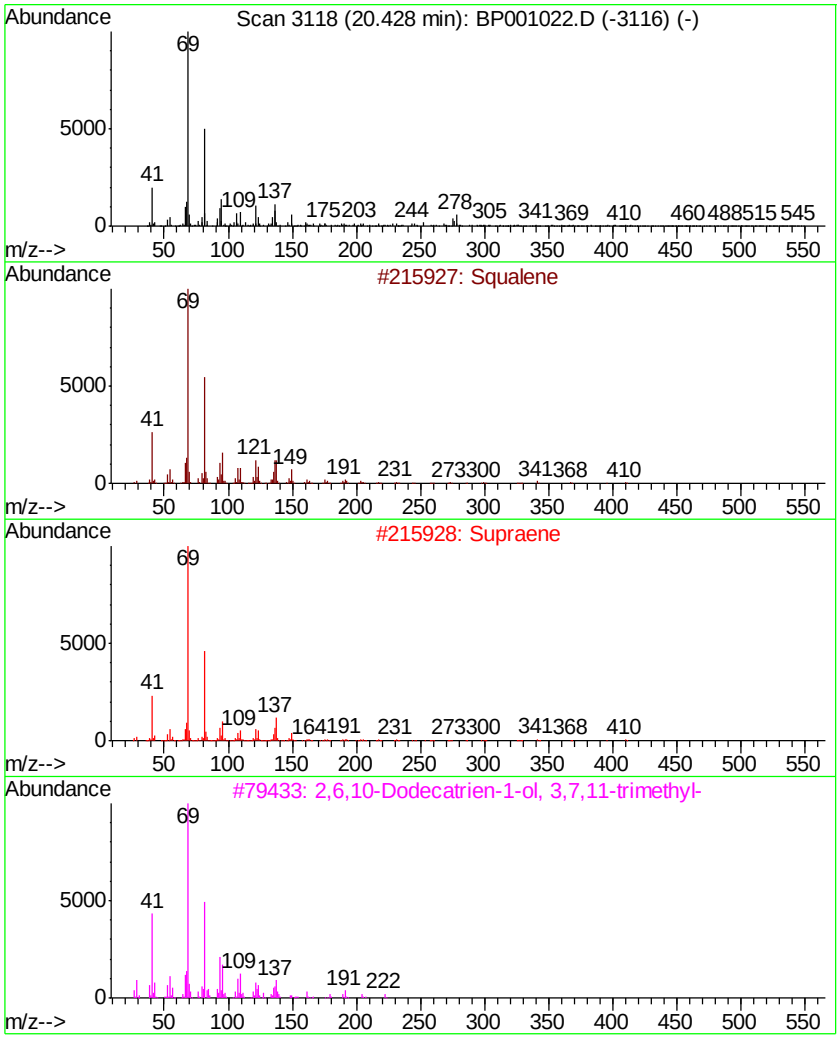
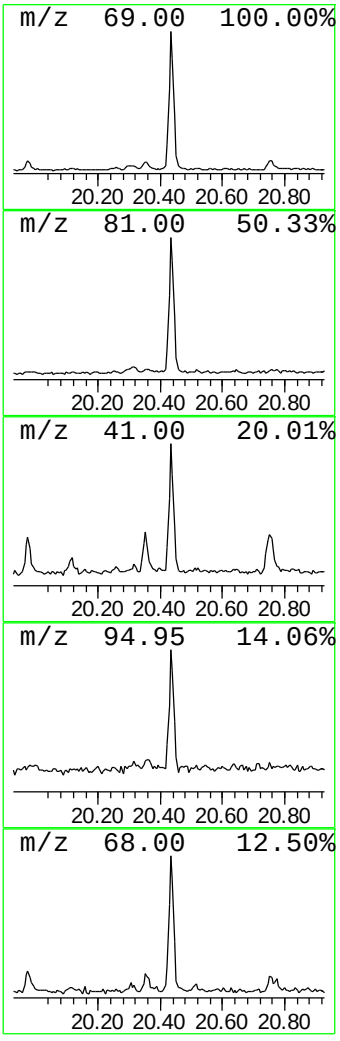
Peak Number 7 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.29 ng	368229	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	92
2	Supraene	410	C30H50	007683-64-9	87
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	72
4	Farnesol isomer a	222	C15H26O	1000108-92-4	64
5	2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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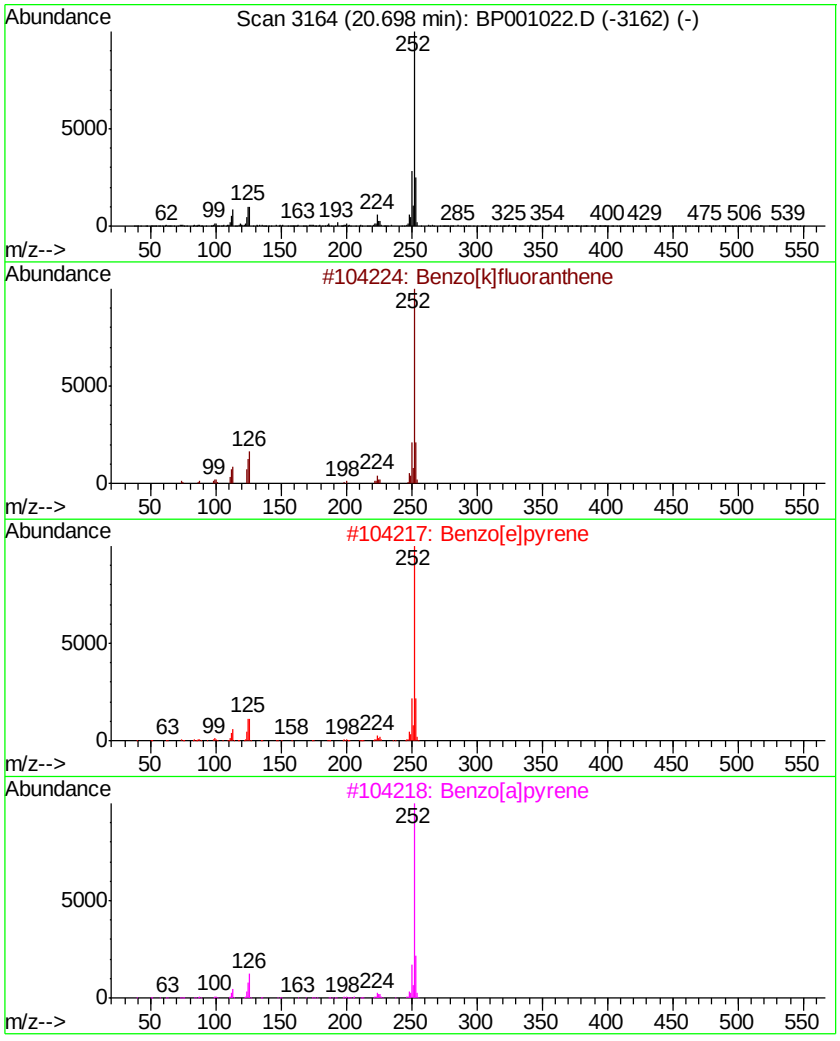
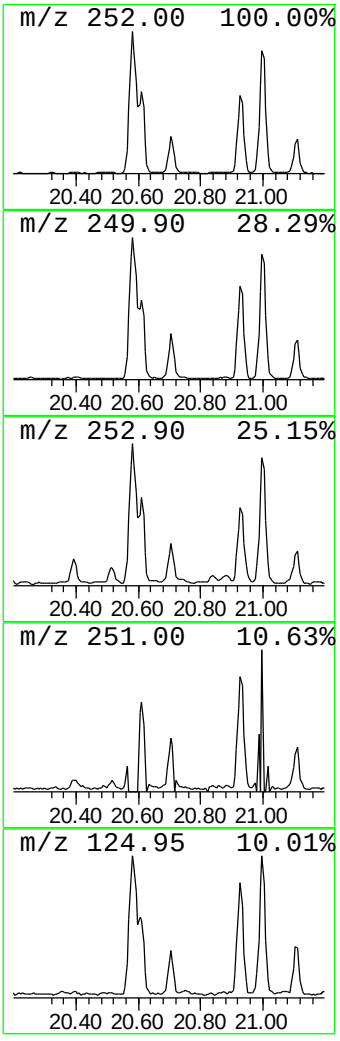
Peak Number 8 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	2.67 ng	430463	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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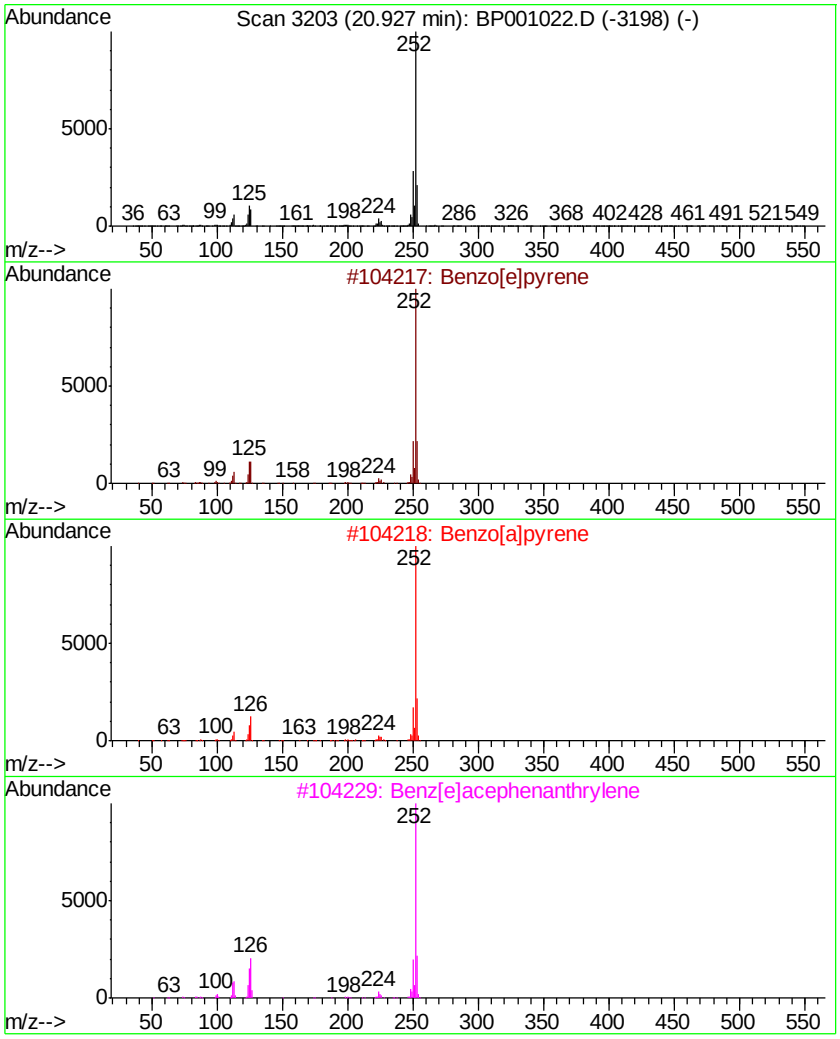
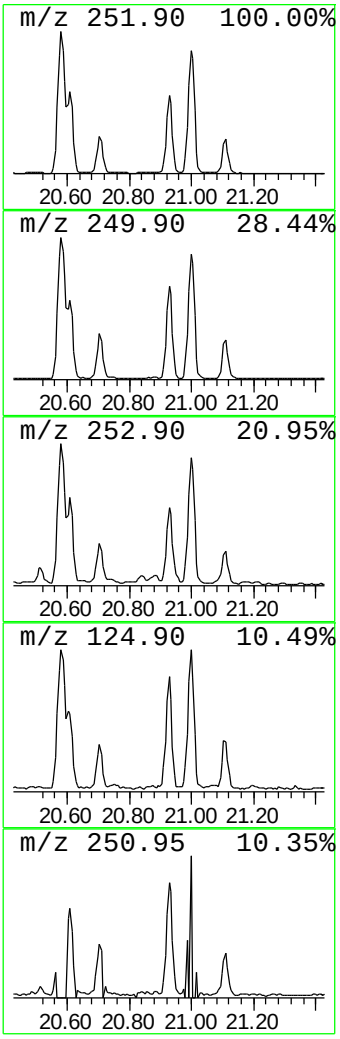
Peak Number 9 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	6.36 ng	1023760	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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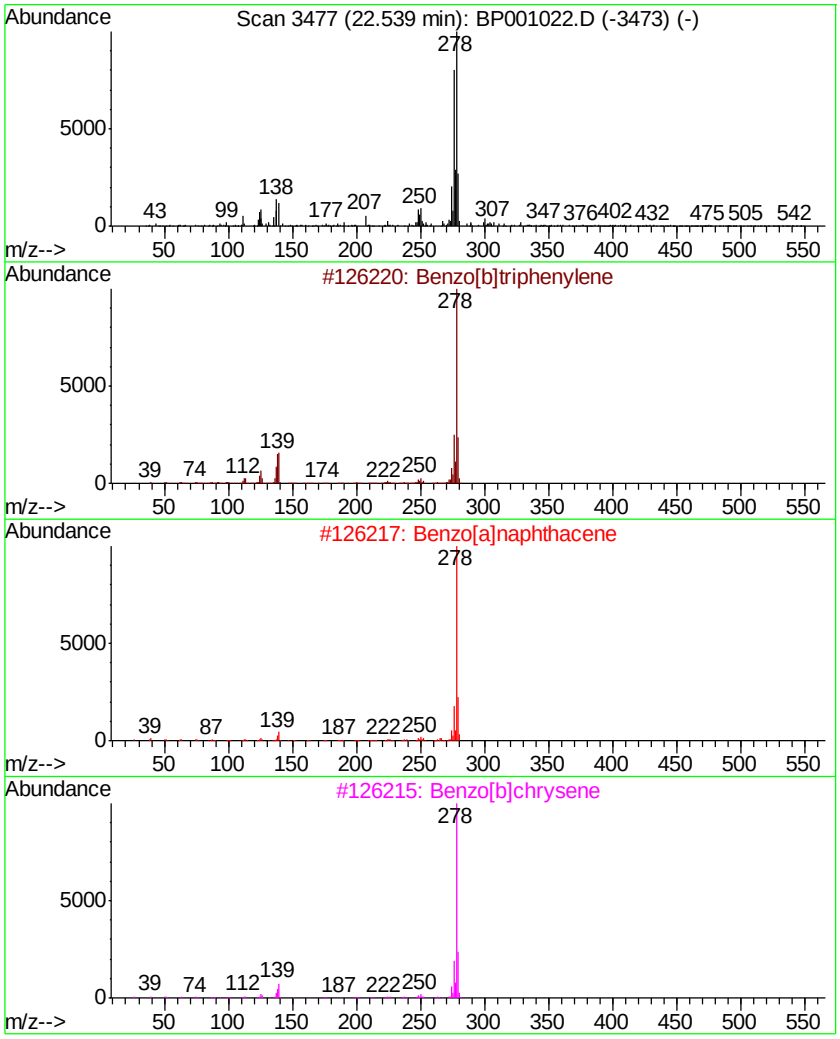
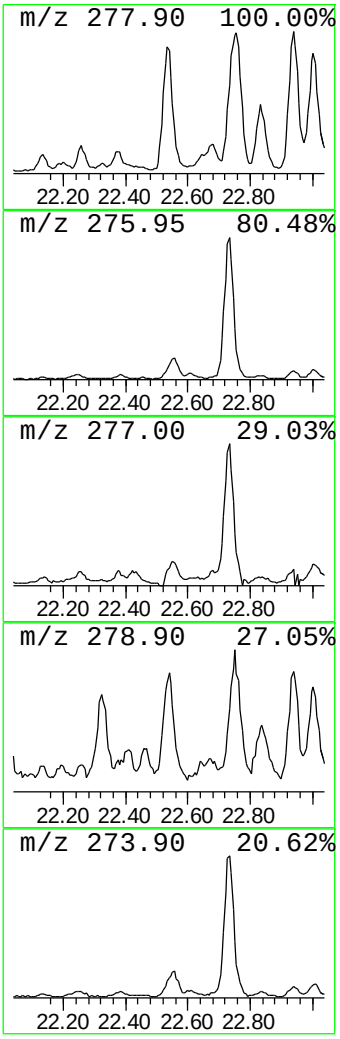
Peak Number 10 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.00 ng	321983	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	62
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	50
3	Benzo[b]chrysene	278	C22H14	000214-17-5	50
4	Pentaphene	278	C22H14	000222-93-5	45
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP111119\
Data File : BP001022.D
Acq On : 11 Nov 2019 18:11
Operator : JU
Sample : K5763-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-37-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.32	14.4	ng	1052220	1	8.38	1461190	20.0
2-Pentanone, 4-hy...	5.73	9.3	ng	681663	1	8.38	1461190	20.0
unknown8.01	8.01	59.0	ng	4309090	1	8.38	1461190	20.0
5-Eicosene, (E)-	19.16	3.3	ng	824222	5	19.29	5046240	20.0
Triphenylene, 2-m...	19.79	2.1	ng	518788	5	19.29	5046240	20.0
Squalene	20.43	2.3	ng	368229	6	21.07	3219700	20.0
Benzo[e]pyrene	20.70	2.7	ng	430463	6	21.07	3219700	20.0
Perylene	20.93	6.4	ng	1023760	6	21.07	3219700	20.0
Benzo[b]triphenylene	22.54	2.0	ng	321983	6	21.07	3219700	20.0