LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

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-BP121919.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	5.622	595	601	612	rVB	198366	309157	16.24%	1.373%
2	6.222	696	703	716	rBV	1170628	1438157	75.54%	6.389%
3	7.769	958	966	978	rBV	1197487	1638084	86.05%	7.277%
4	7.946	989	996	1008	rBV	1331649	1620102	85.10%	7.197%
5	8.304	1052	1057	1065	rVB	363727	413215	21.71%	1.836%
6	8.546	1092	1098	1103	rBV	1100616	1253455	65.84%	5.568%
7	9.187	1200	1207	1211	rBV	825512	1025385	53.86%	4.555%
8	10.340	1397	1403	1407	rBV	427066	483341	25.39%	2.147%
9	12.122	1697	1706	1722	rBV	1583930	1903744	100.00%	8.457%
10	12.763	1808	1815	1817	rBV3	29425	53365	2.80%	0.237%
11	12.792	1817	1820	1825	rVV	51834	65696	3.45%	0.292%
12	12.851	1826	1830	1843	rVB9	14113	30224	1.59%	0.134%
13	12.969	1843	1850	1858	rBV	123365	164614	8.65%	0.731%
14	13.204	1884	1890	1896	rBV	472886	580831	30.51%	2.580%
15	13.734	1975	1980	1985	rBV4	18105	34462	1.81%	0.153%
16	13.951	2013	2017	2025	rVB2	30784	43641	2.29%	0.194%
17	14.028	2025	2030	2032	rBV2	19380	26535	1.39%	0.118%
18	14.057	2032	2035	2040	rVV	21479	28792	1.51%	0.128%
19	14.122	2040	2046	2051	rVB2	20037	31305	1.64%	0.139%
20	14.398	2086	2093	2099	rBV6	20205	39786	2.09%	0.177%
21	14.504	2102	2111	2122	rBV	952040	1220849	64.13%	5.424%
22	14.704	2141	2145	2149	rBV	36743	53850	2.83%	0.239%
23	14.810	2159	2163	2165	rBV	17005	21292	1.12%	0.095%
24	14.975	2187	2191	2193	rBV	19368	21493	1.13%	0.095%
25	15.234	2231	2235	2239	rBV5	11958	21819	1.15%	0.097%
26	15.522	2280	2284	2289	rBV	21696	26306	1.38%	0.117%
27	15.604	2294	2298	2302	rVV	445644	540181	28.37%	2.400%
28	15.639	2302	2304	2308	rVB	60464	64114	3.37%	0.285%
29	15.716	2314	2317	2321	rBV	68643	81475	4.28%	0.362%
30	16.033	2366	2371	2374	rBV7	10865	20484	1.08%	0.091%
31	16.116	2381	2385	2389	rVB6	12343	21366	1.12%	0.095%
32	16.163	2390	2393	2395	rVV	22939	25370	1.33%	0.113%
33	16.186	2395	2397	2402	rVB3	35706	35694	1.87%	0.159%
34	16.304	2412	2417	2423	rBV	465039	484896	25.47%	2.154%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

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-BP121919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.363	2424	2427	2430	rBV	45797	48325	2.54%	0.215%
36	16.404	2430	2434	2438	rVB	59123	63732	3.35%	0.283%
37	16.469	2441	2445	2447	rBV	42418	48578	2.55%	0.216%
38	16.498	2447	2450	2451	rBV	79352	74041	3.89%	0.329%
39	16.516	2451	2453	2458	rVB	54193	55568	2.92%	0.247%
40	16.751	2489	2493	2497	rBV4	27323	32807	1.72%	0.146%
41	16.792	2497	2500	2502	rBV3	19188	23115	1.21%	0.103%
42	17.004	2533	2536	2540	rBV	28789	33426	1.76%	0.148%
43	17.051	2540	2544	2546	rVV	39561	42235	2.22%	0.188%
44	17.080	2546	2549	2553	rVB	33408	35751	1.88%	0.159%
45	17.151	2556	2561	2564	rBV	115013	158260	8.31%	0.703%
46	17.192	2564	2568	2572	rVV	60548	89145	4.68%	0.396%
47	17.263	2575	2580	2583	rVV	763140	867524	45.57%	3.854%
48	17.298	2583	2586	2589	rVV	1223787	1287967	67.65%	5.722%
49	17.322	2589	2590	2593	rVV2	84157	79275	4.16%	0.352%
50	17.357	2593	2596	2600	rVV	172324	187957	9.87%	0.835%
51	17.416	2603	2606	2610	rVV	240077	245360	12.89%	1.090%
52	17.451	2610	2612	2615	rVV2	21487	21263	1.12%	0.094%
53	17.486	2615	2618	2621	rVB	45607	49422	2.60%	0.220%
54	17.551	2625	2629	2632	rBV5	19438	32050	1.68%	0.142%
55	17.586	2632	2635	2639	rBV2	23880	25855	1.36%	0.115%
56	17.663	2644	2648	2652	rVB	285953	312835	16.43%	1.390%
57	17.722	2655	2658	2663	rVB3	53013	72002	3.78%	0.320%
58	17.769	2663	2666	2672	rBV2	66920	94023	4.94%	0.418%
59	17.839	2675	2678	2681	rBV3	23927	29483	1.55%	0.131%
60	17.898	2681	2688	2692	rBV	1507975	1684342	88.48%	7.483%
61	17.975	2697	2701	2705	rBV3	66399	99911	5.25%	0.444%
62	18.098	2716	2722	2723	rBV3	48666	82624	4.34%	0.367%
63	18.169	2732	2734	2737	rBV4	17175	23344	1.23%	0.104%
64	18.251	2745	2748	2758	rVB	99994	159866	8.40%	0.710%
65	18.339	2759	2763	2765	rBV4	33723	44017	2.31%	0.196%
66	18.375	2765	2769	2772	rVV	101410	127223	6.68%	0.565%
67	18.416	2772	2776	2781	rVB	78638	102281	5.37%	0.454%
68	18.786	2836	2839	2845	rVB2	56655	83858	4.40%	0.373%
69	18.869	2851	2853	2856	rVB	37020	36303	1.91%	0.161%
70	18.922	2858	2862	2865	rBV2	54060	88781	4.66%	0.394%
71	19.127	2893	2897	2905	rBV3	150616	236931	12.45%	1.053%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

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-BP121919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.257	2913	2919	2922	rBV2	450784	678746	35.65%	3.015%
73	19.286	2922	2924	2927	rVB	145441	140895	7.40%	0.626%
74	19.374	2936	2939	2944	rBV2	33274	50917	2.67%	0.226%
75	19.763	3002	3005	3008	rVB	89489	101768	5.35%	0.452%
76	19.804	3010	3012	3017	rVB	59959	56891	2.99%	0.253%
77	19.922	3029	3032	3034	rBV	53848	66573	3.50%	0.296%
78	20.545	3134	3138	3142	rBV2	111830	192866	10.13%	0.857%
79	20.892	3194	3197	3201	rVB	76248	88237	4.63%	0.392%
80	20.957	3205	3208	3212	rVB	126532	151506	7.96%	0.673%
81	21.033	3217	3221	3225	rBV	283963	378784	19.90%	1.683%

Sum of corrected areas: 22509743

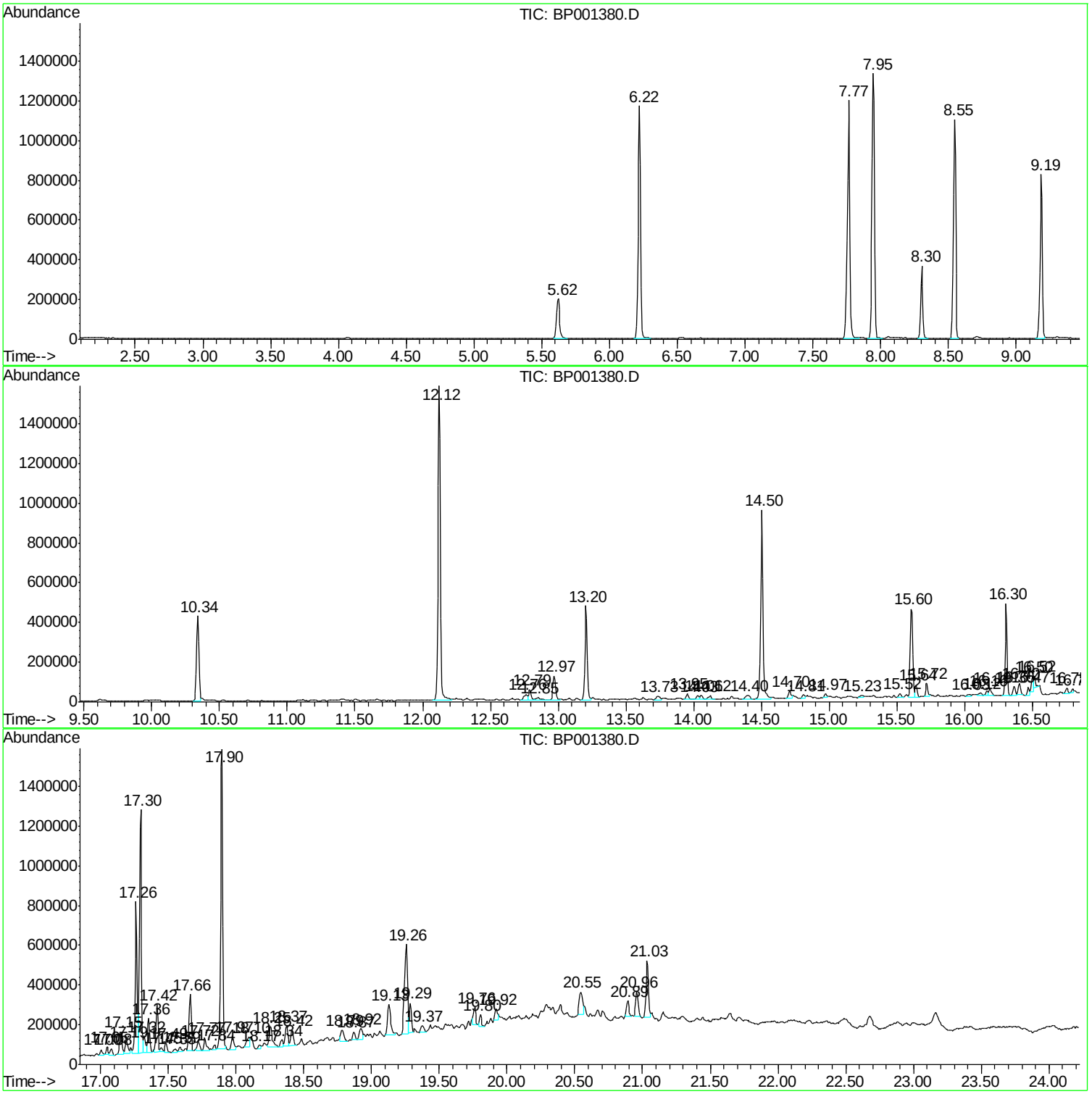
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

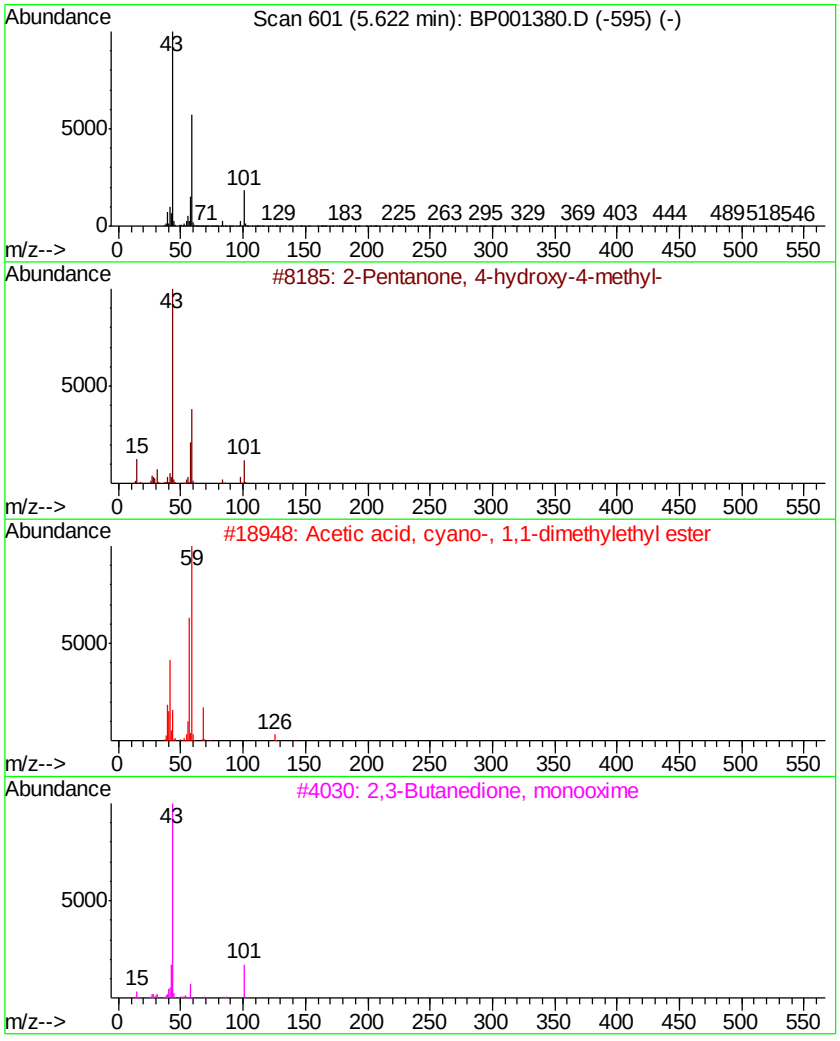
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

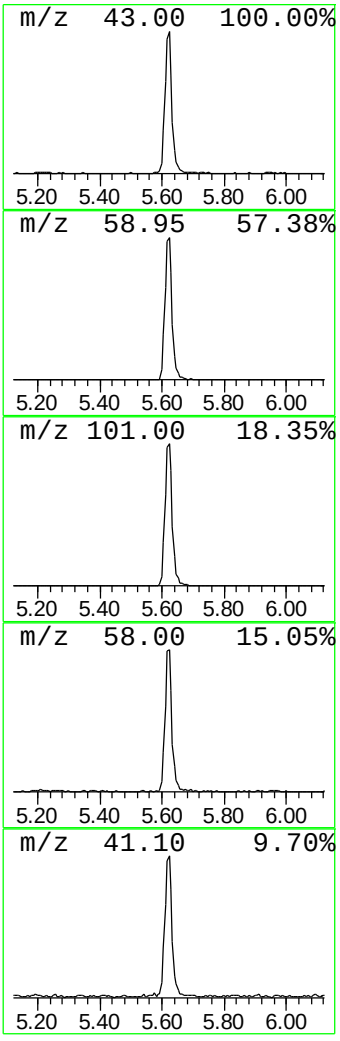
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	14.96 ng	309157	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

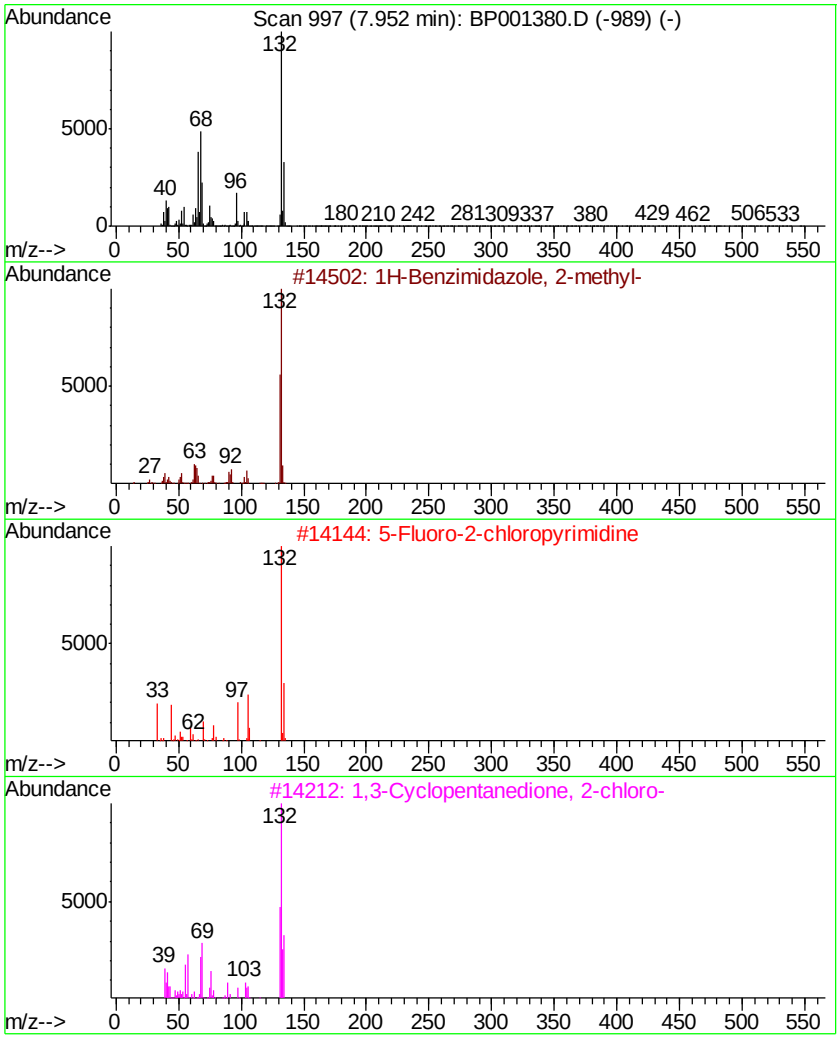
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

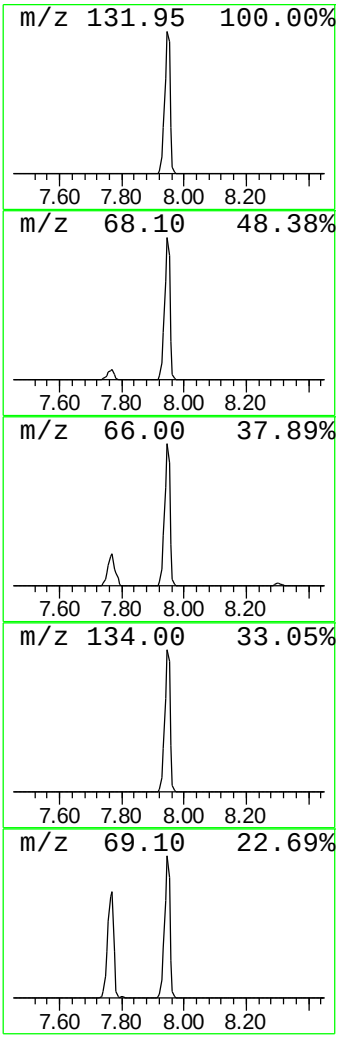
****

Peak Number 2 unknown7.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	78.41 ng	1620100	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

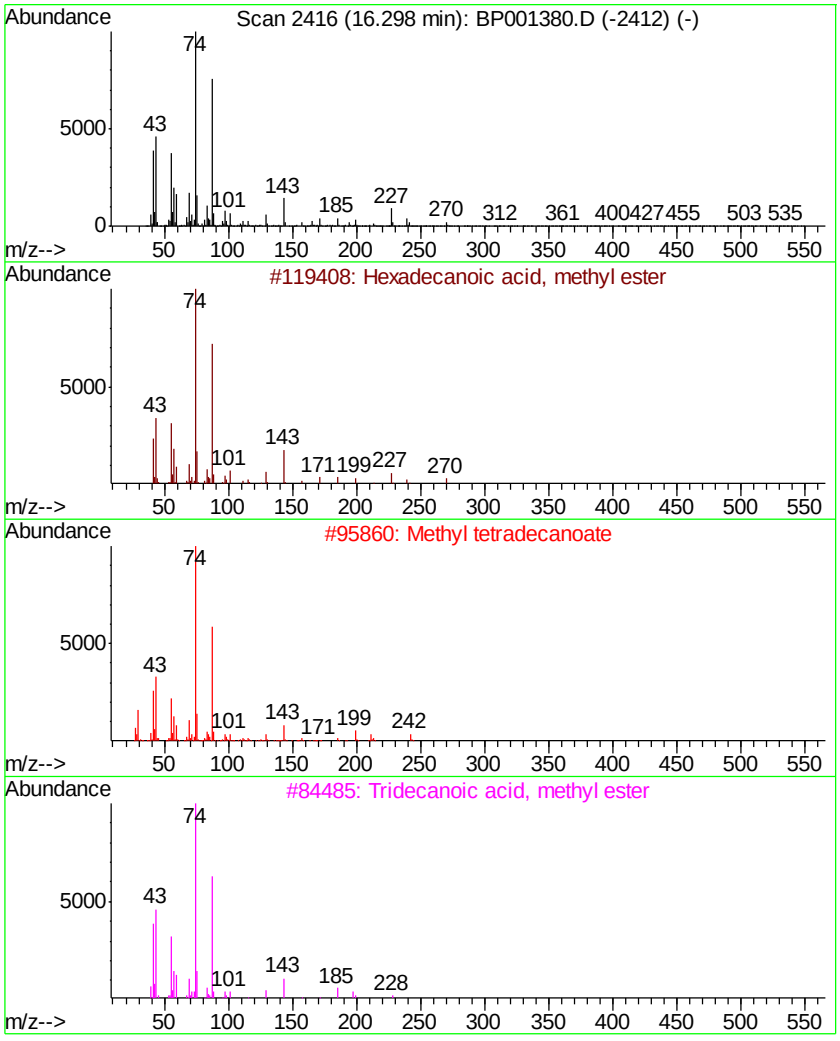
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

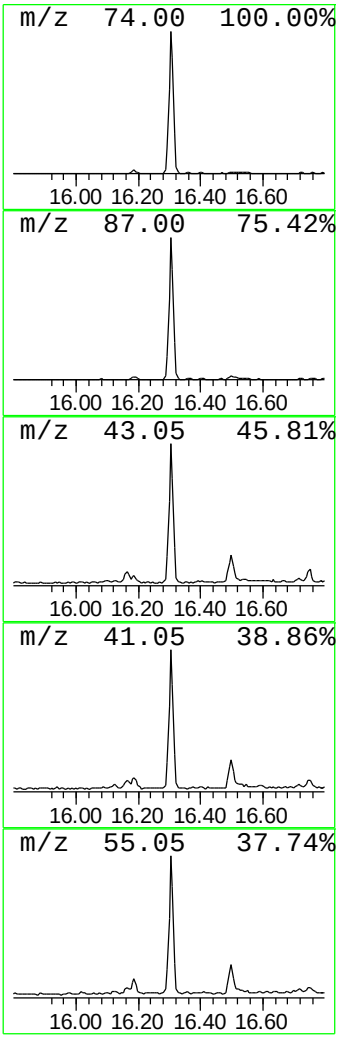
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	17.95 ng	484896	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	80
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

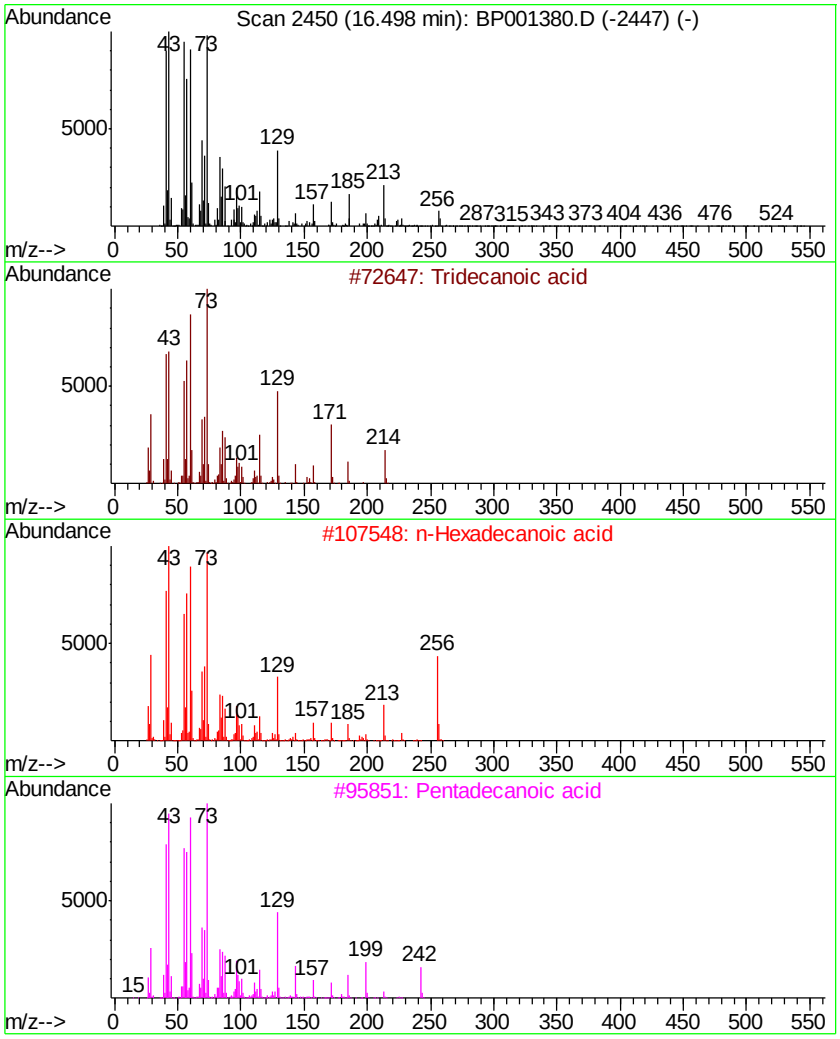
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

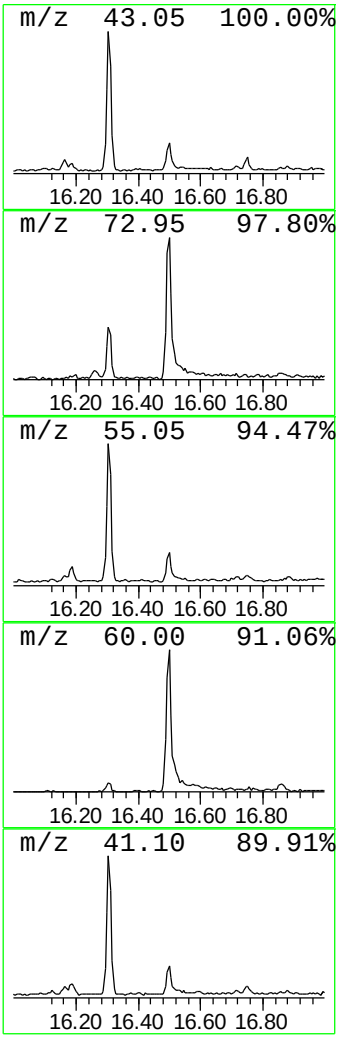
****

Peak Number 5 Tridecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.74 ng	74041	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Undecanoic acid	186	C11H22O2	000112-37-8	83
5	Dodecanoic acid	200	C12H24O2	000143-07-7	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

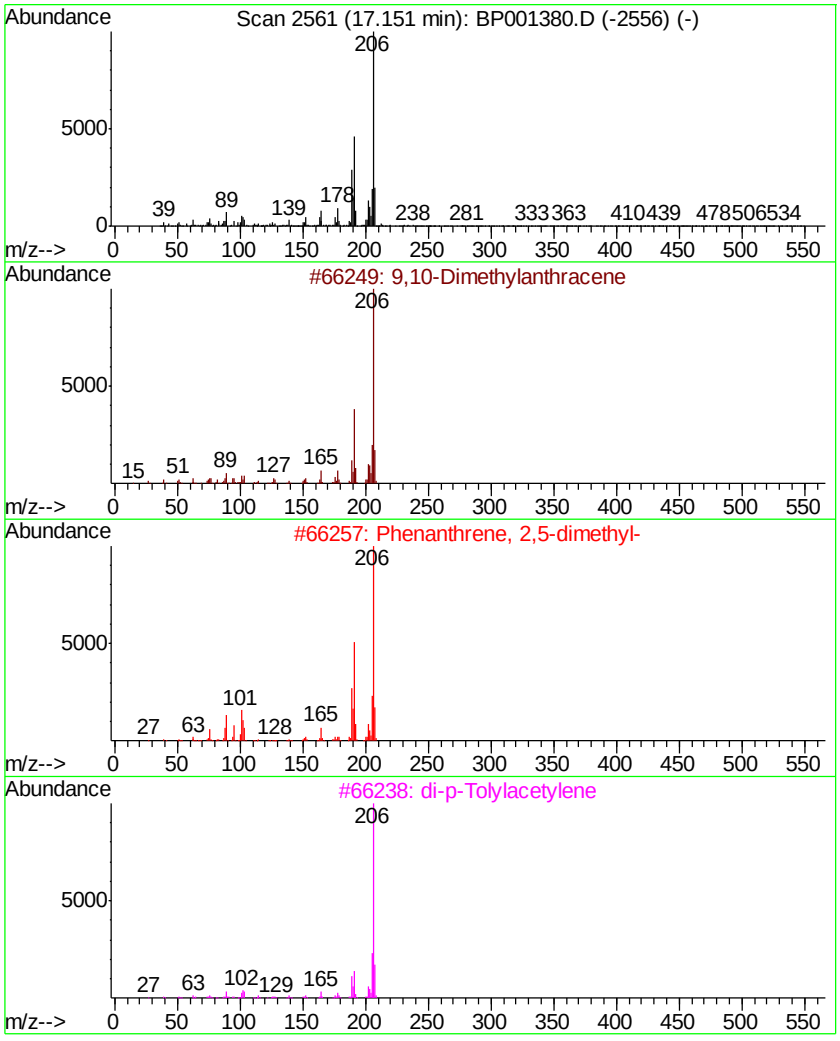
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

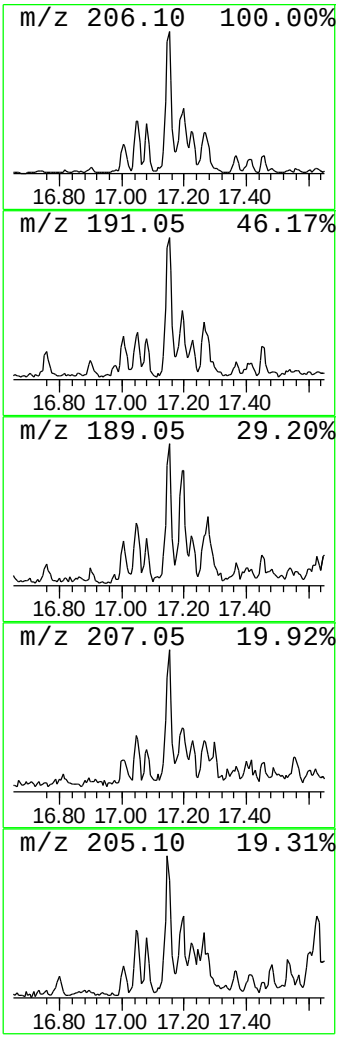
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	5.86 ng	158260	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

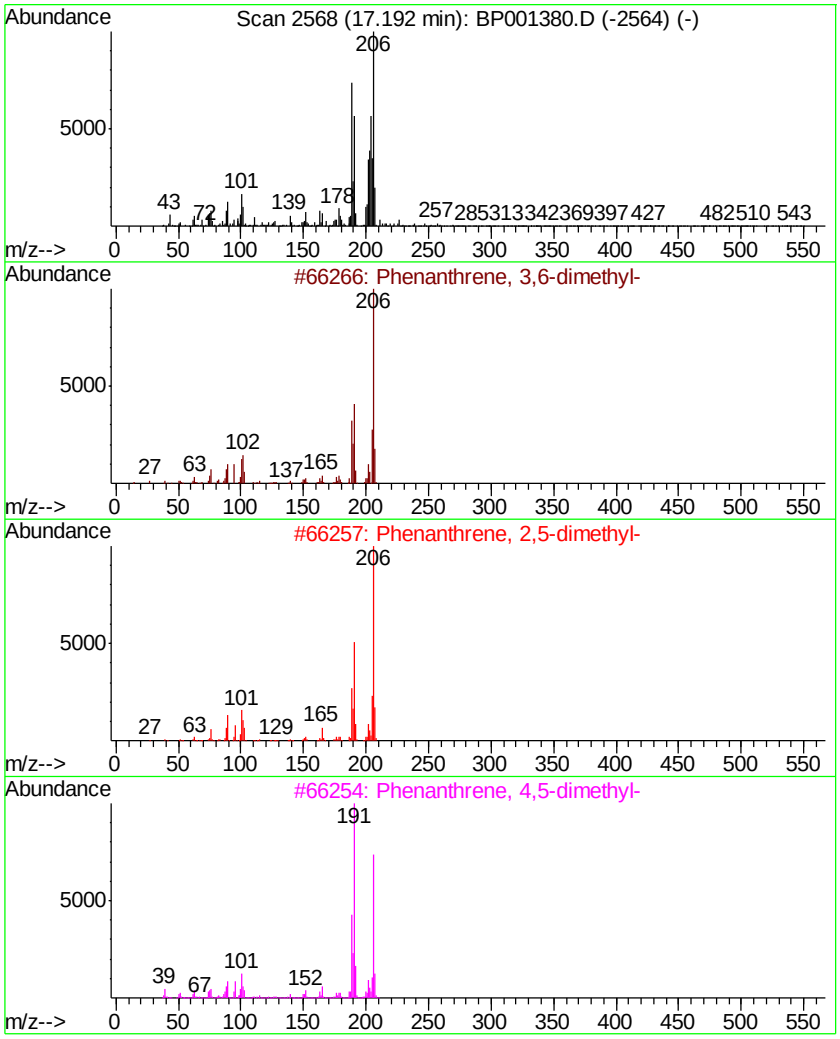
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

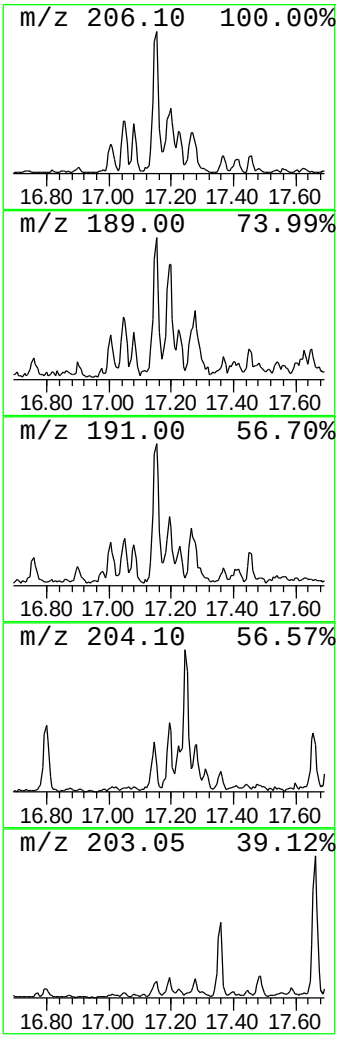
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	3.30 ng	89145	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	45
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

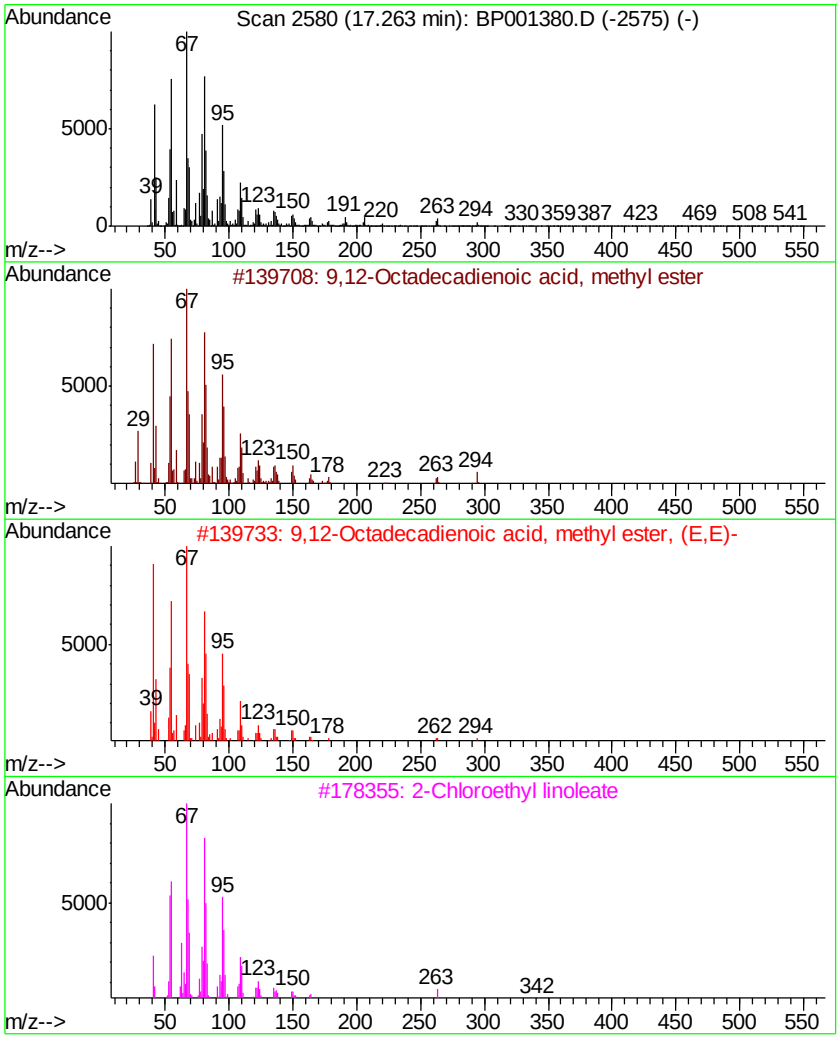
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

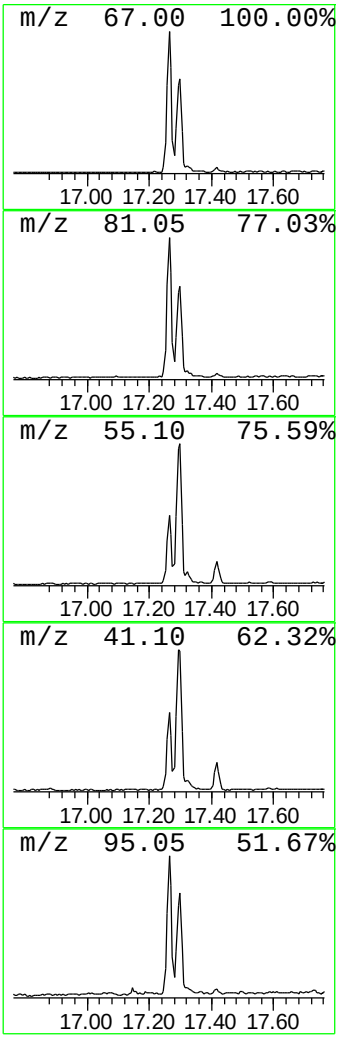
****

Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	32.12 ng	867524	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

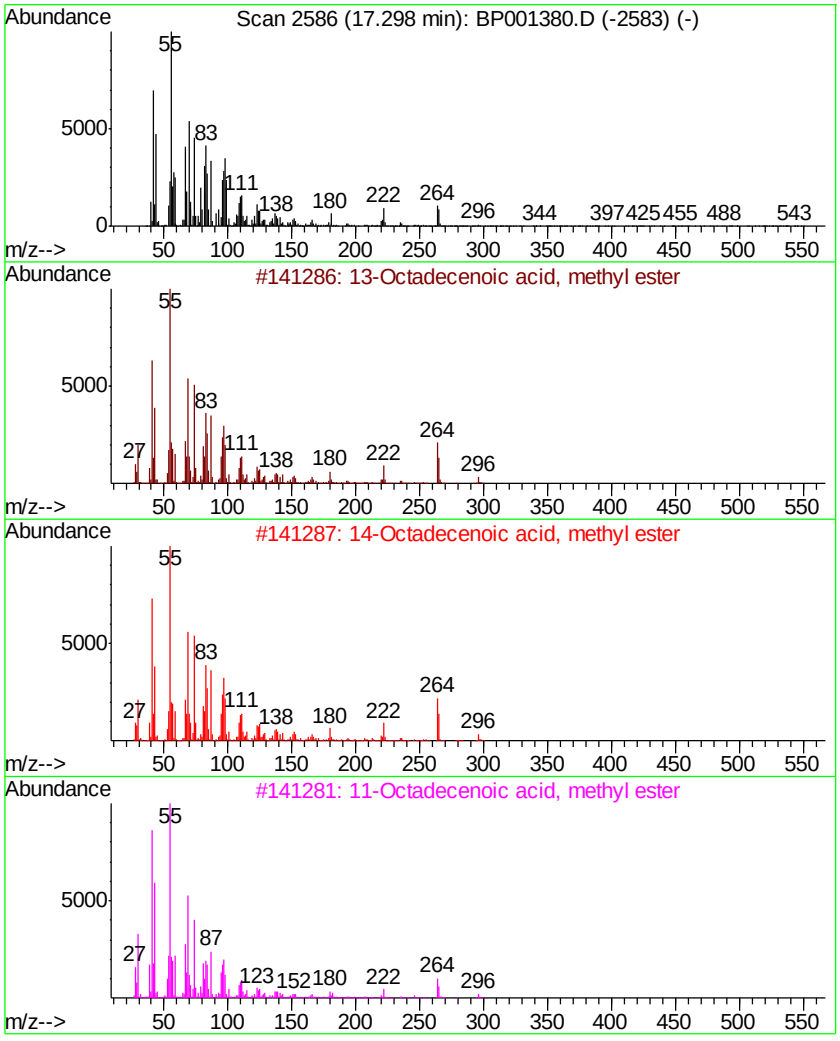
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

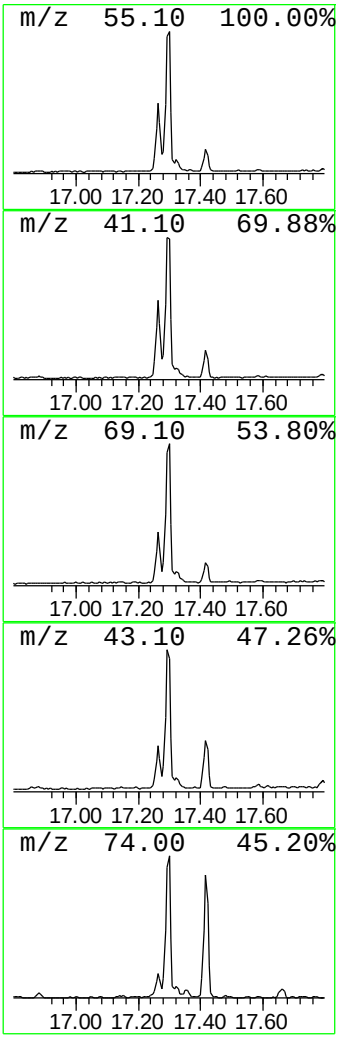
****

Peak Number 9 13-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	47.69 ng	1287970	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	94
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

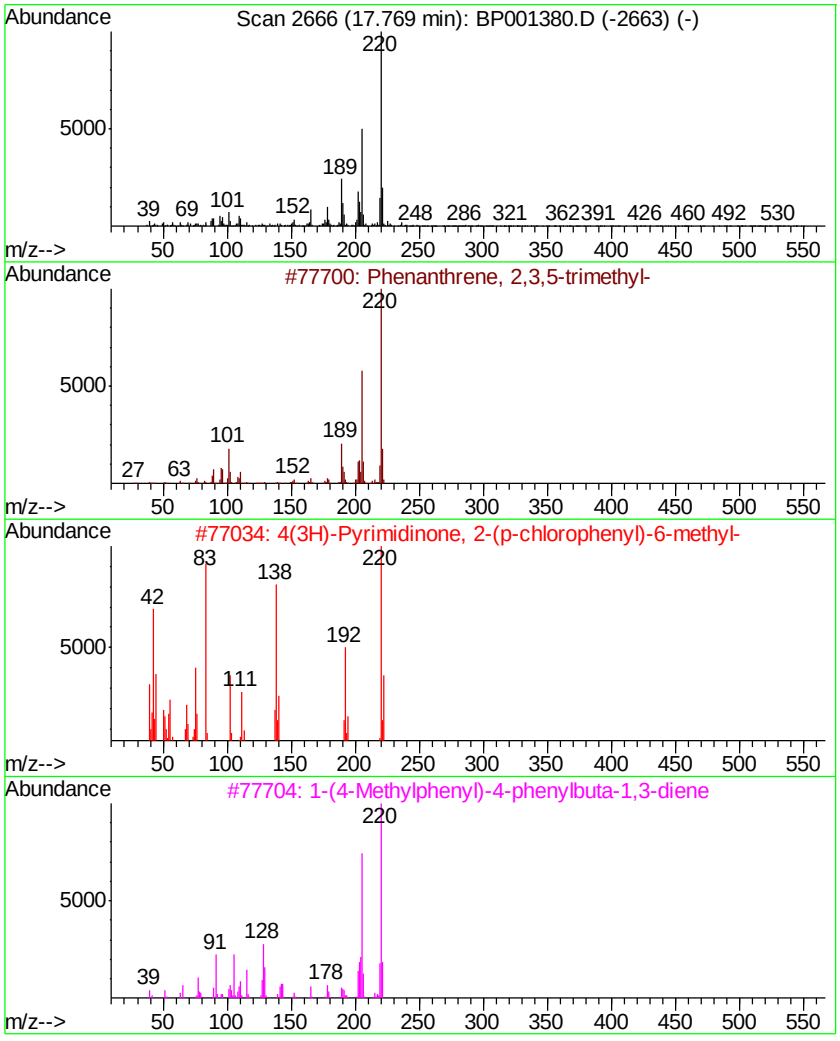
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

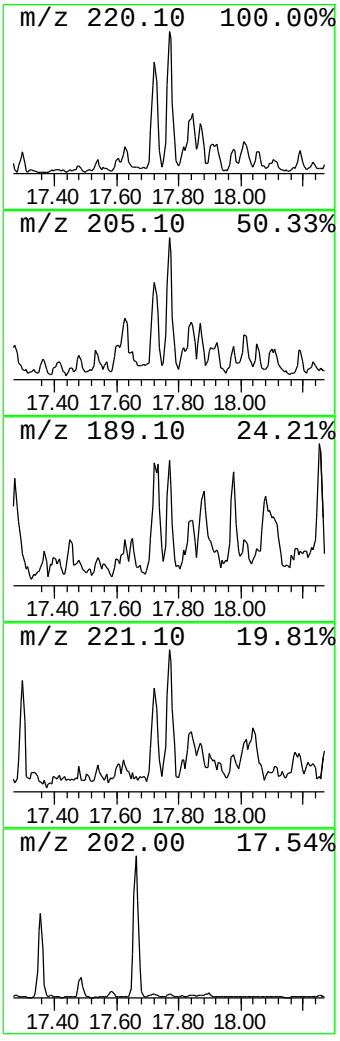
****

Peak Number 11 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.77 ng	94023	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	4(3H)-Pyrimidinone, 2-(p-chlorop...	220	C11H9ClN2O	016858-20-1	83
3	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
4	Tricyclo[9.2.2.2(4,7)]heptadeca-...	220	C17H16	049576-90-1	59
5	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

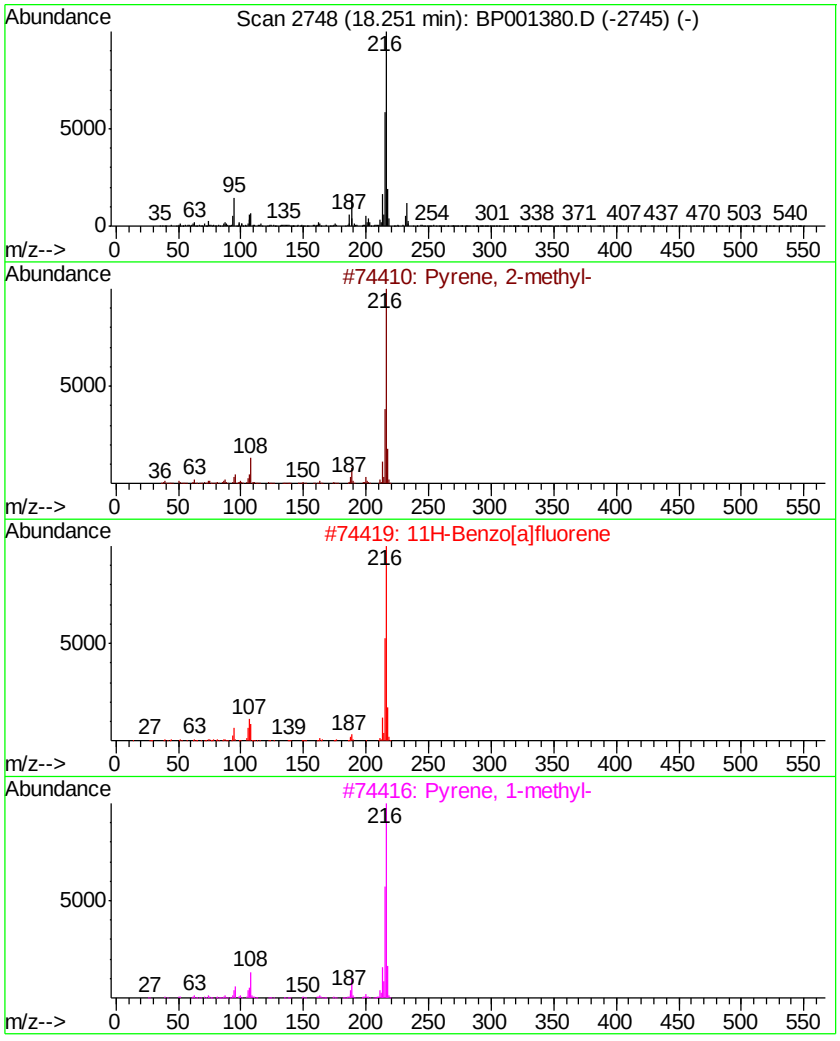
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

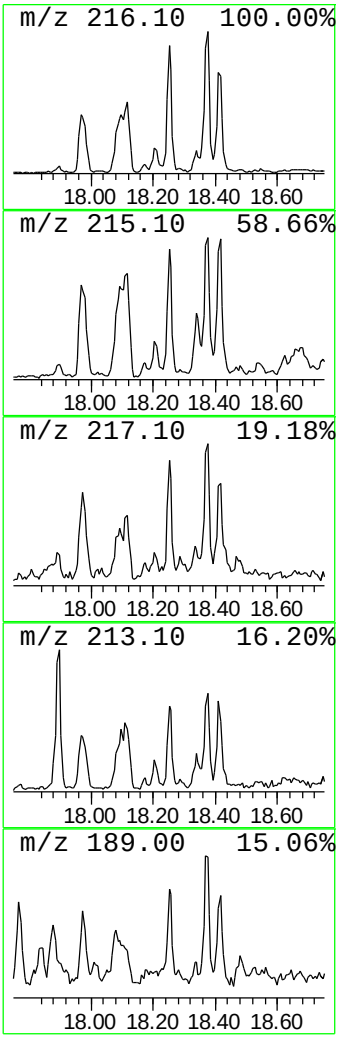
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	4.71 ng	159866	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

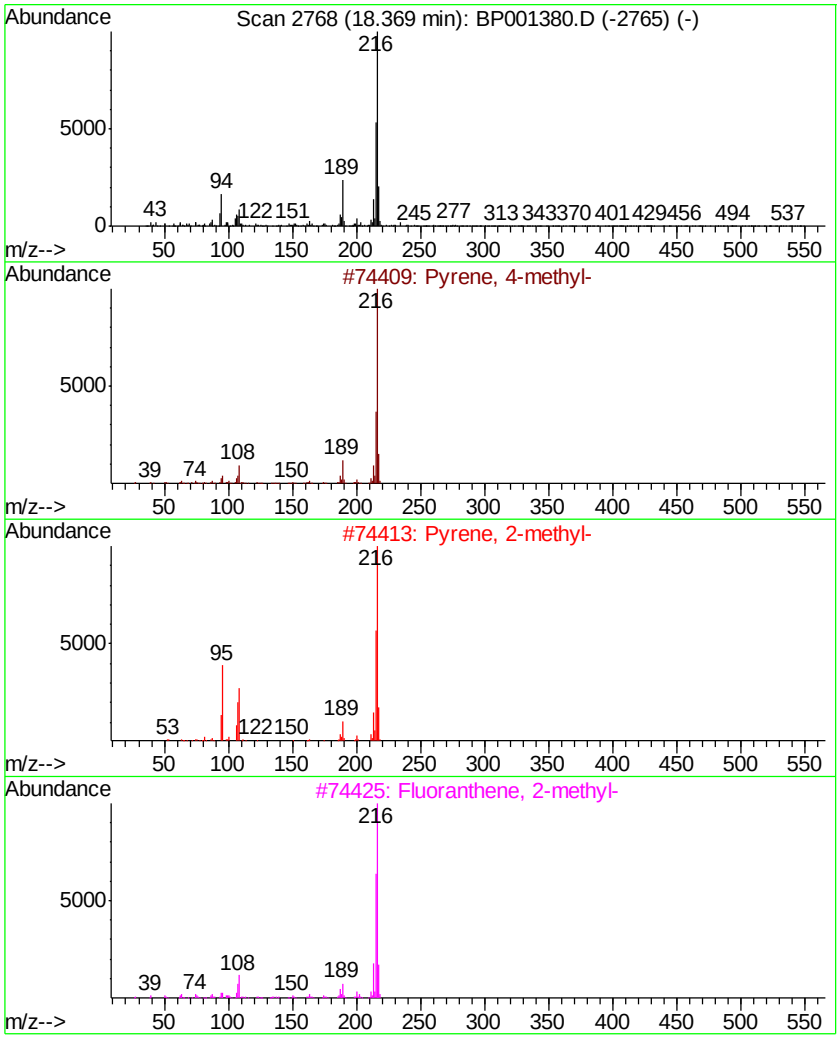
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

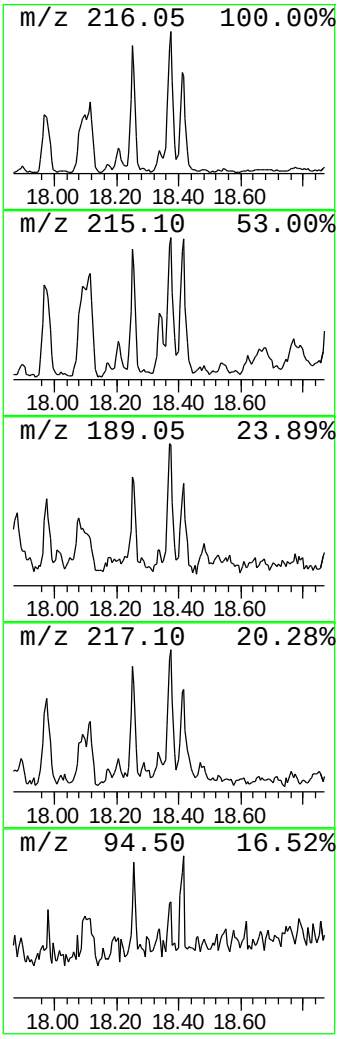
****

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.75 ng	127223	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

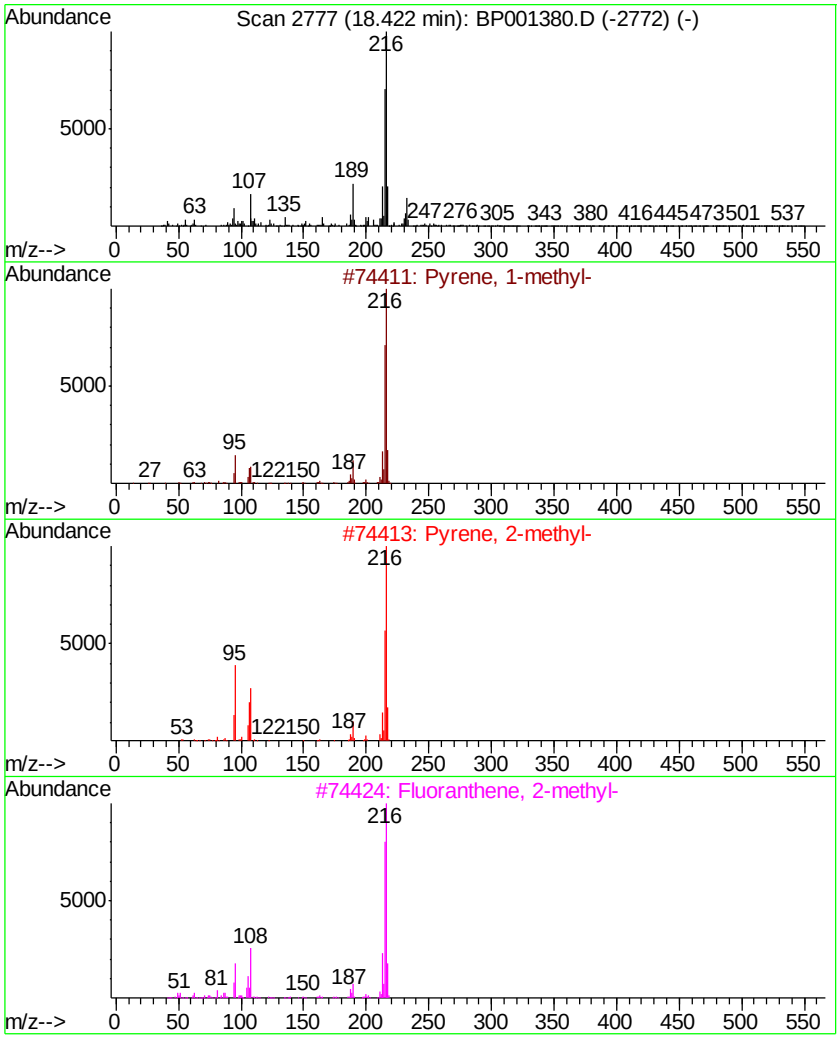
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

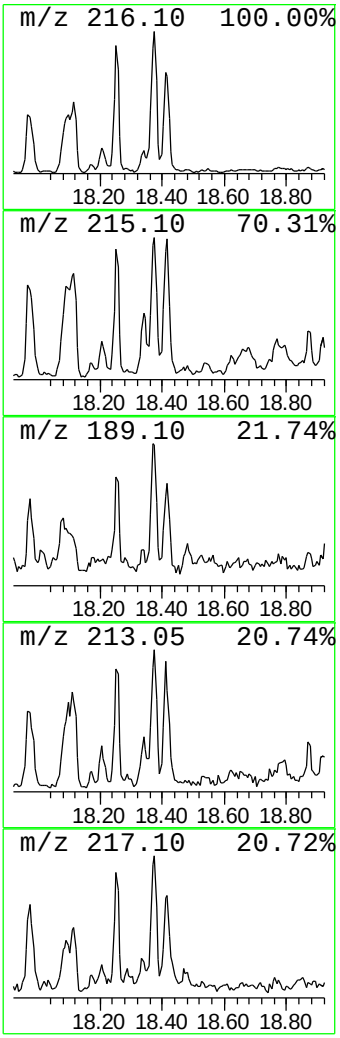
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.01 ng	102281	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

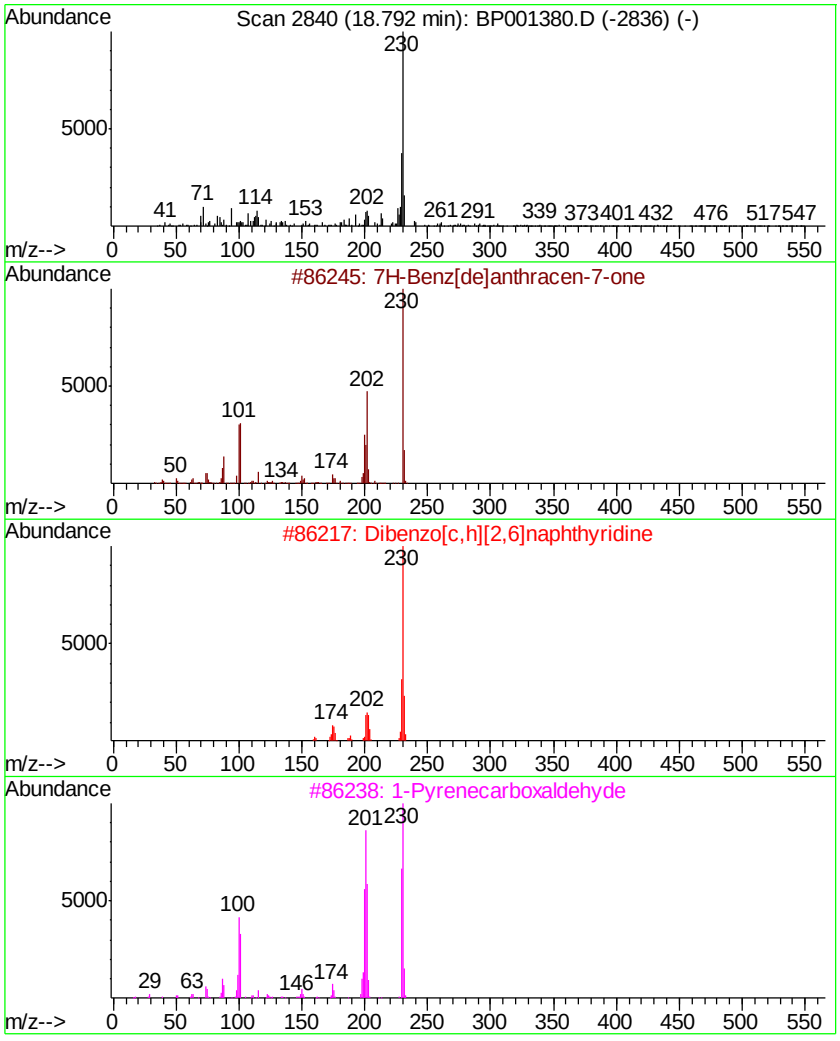
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

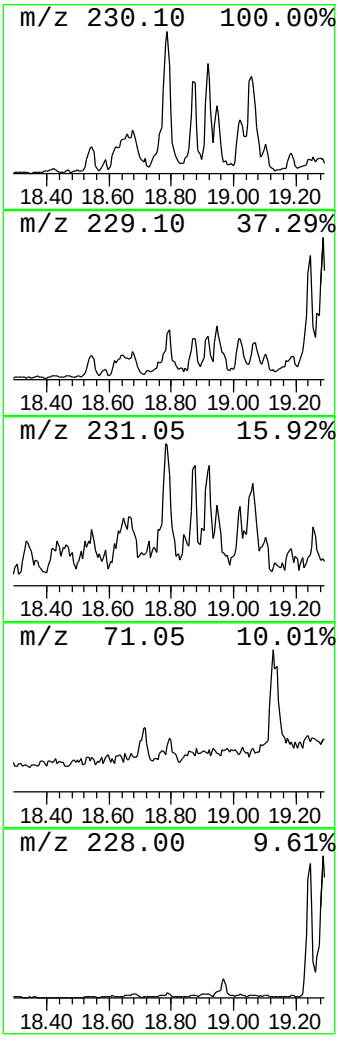
****

Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.47 ng	83858	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59
4	Benzo(b)phenazine	230	C16H10N2	000257-97-6	58
5	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

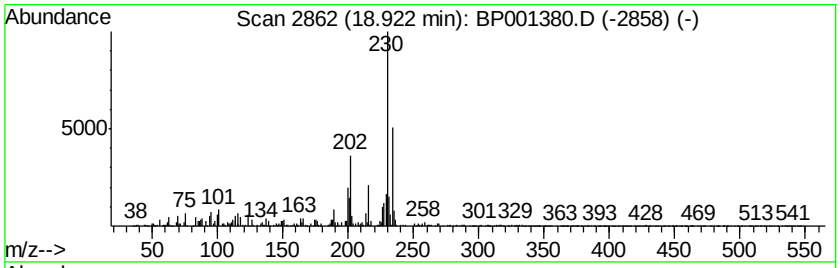
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

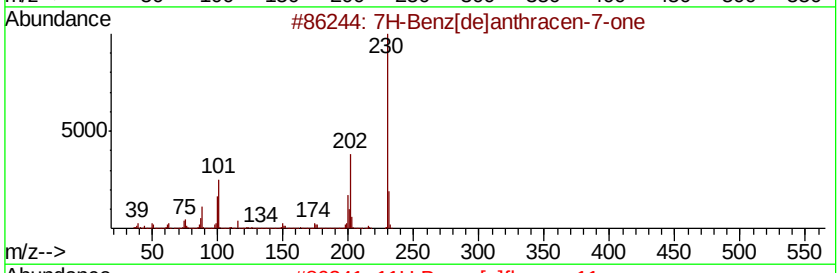
****

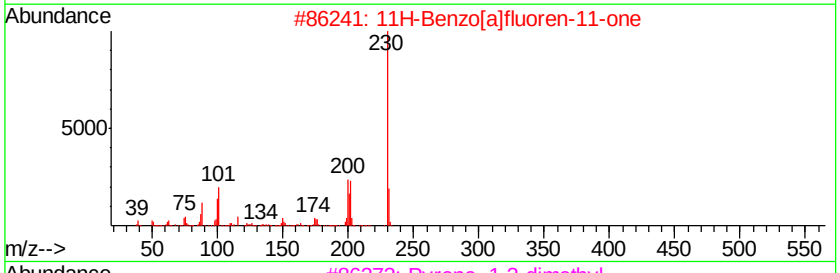
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 19

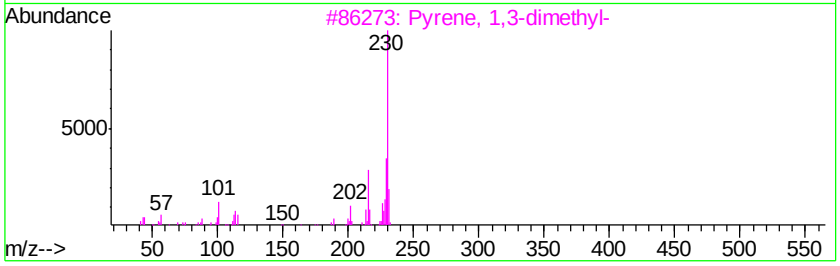
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.62 ng	88781	Chrysene-d12	19.26

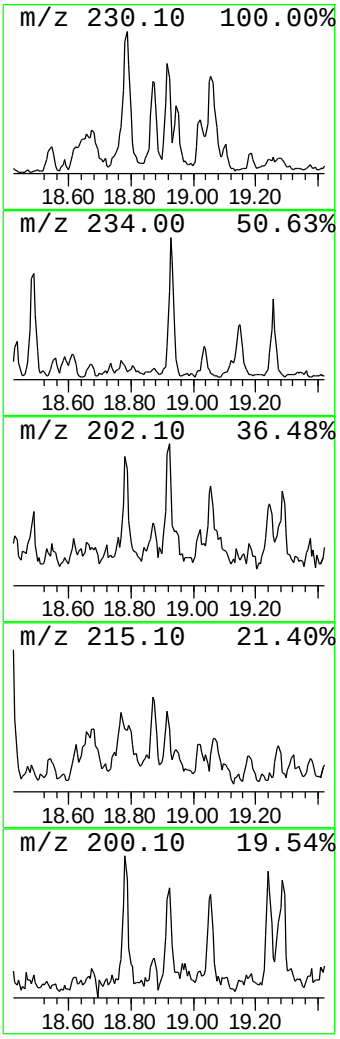
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	55
4	o-Terphenyl	230	C18H14	000084-15-1	55
5	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	47











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

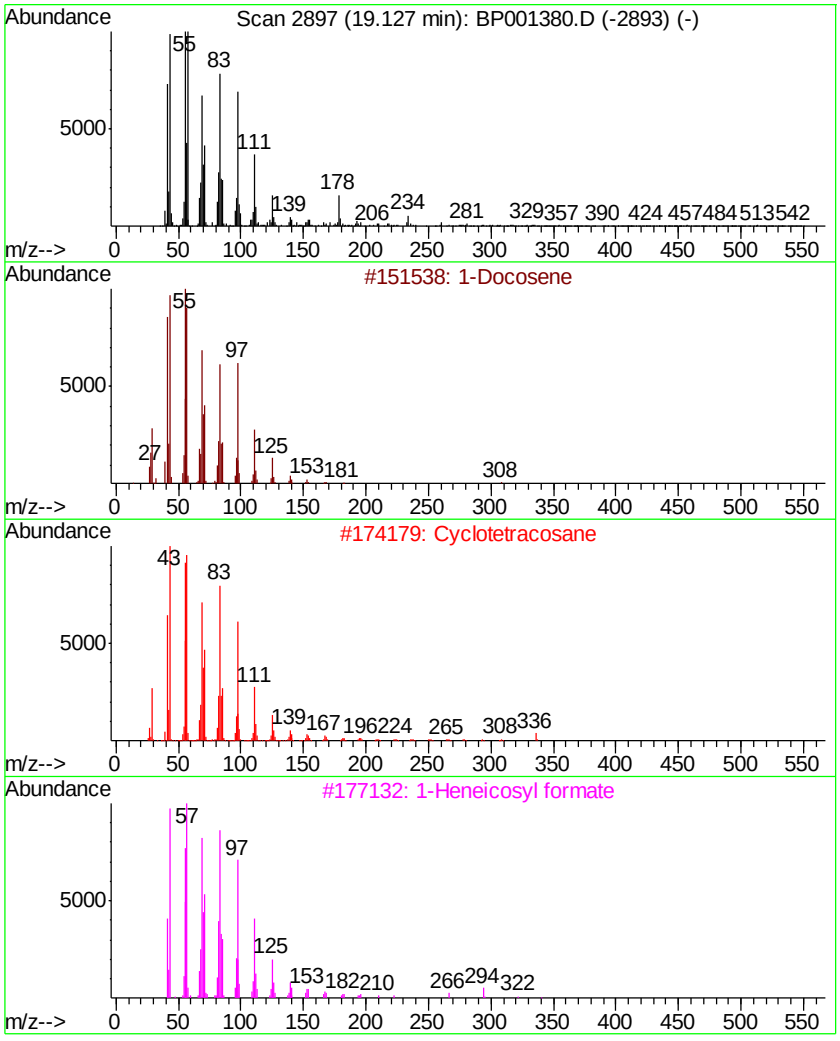
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

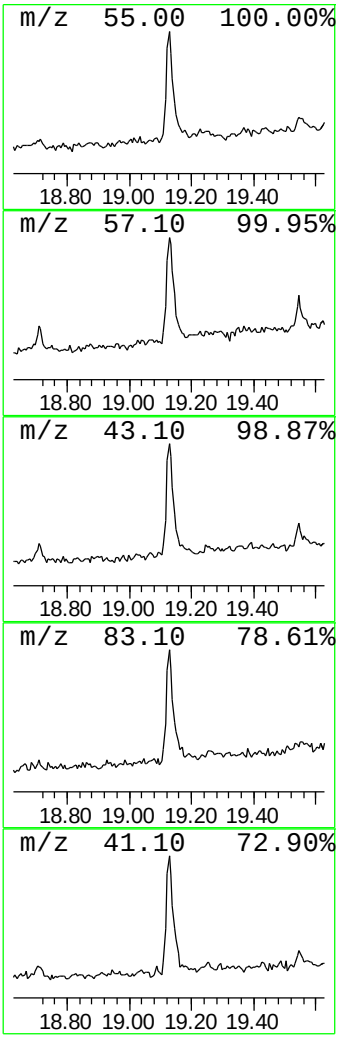
****

Peak Number 18 1-Docosene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	6.98 ng	236931	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Cyclotetracosane	336	C24H48	000297-03-0	94
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	1-Hexacosanol	382	C26H54O	000506-52-5	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

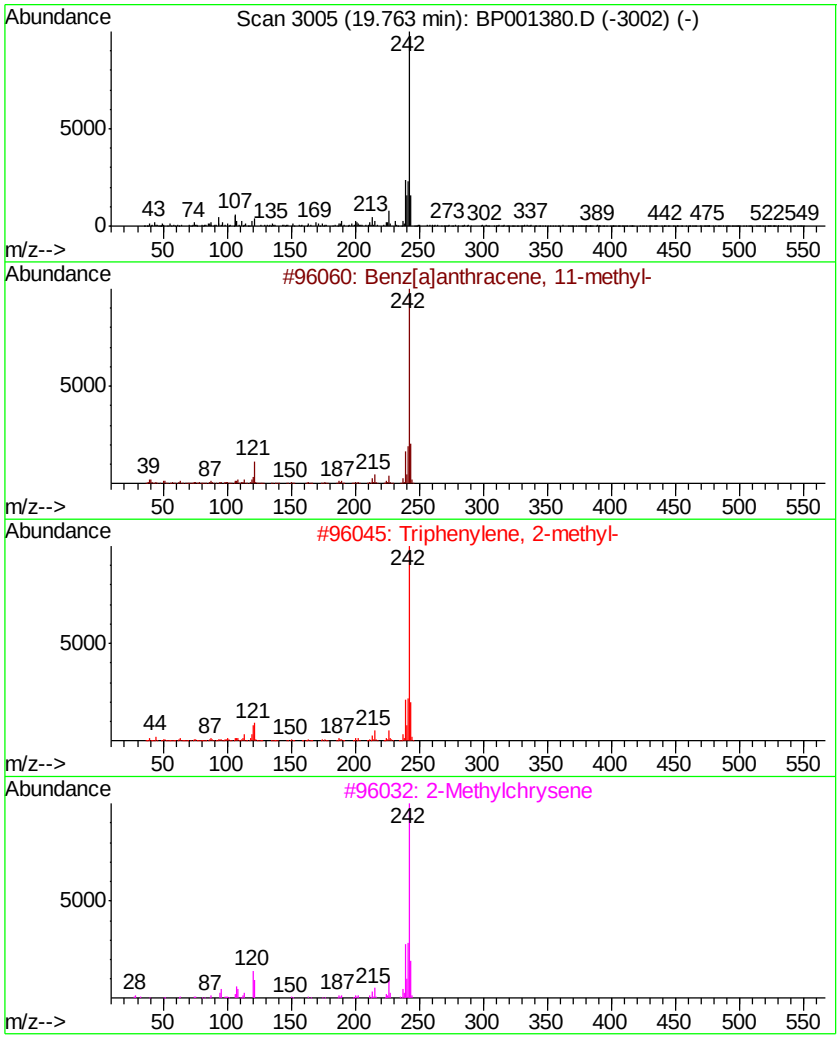
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

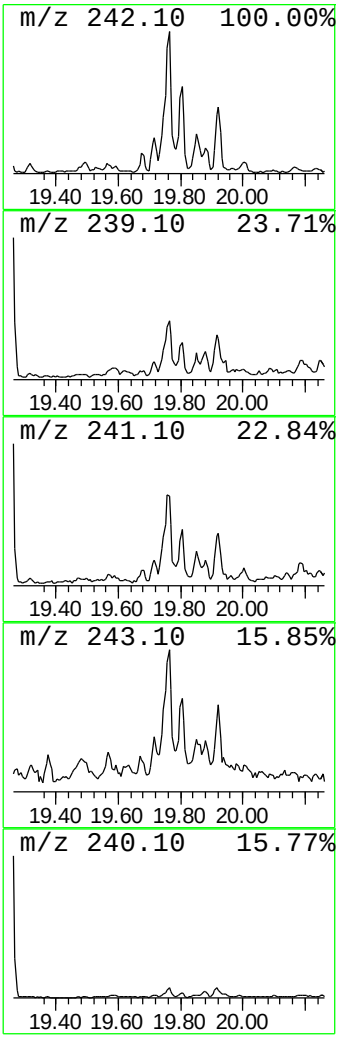
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benz[a]anthracene, 11-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.00 ng	101768	Chrysene-d12	19.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	76
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	74
3	2-Methylchrysene	242	C19H14	003351-32-4	72
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	72
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

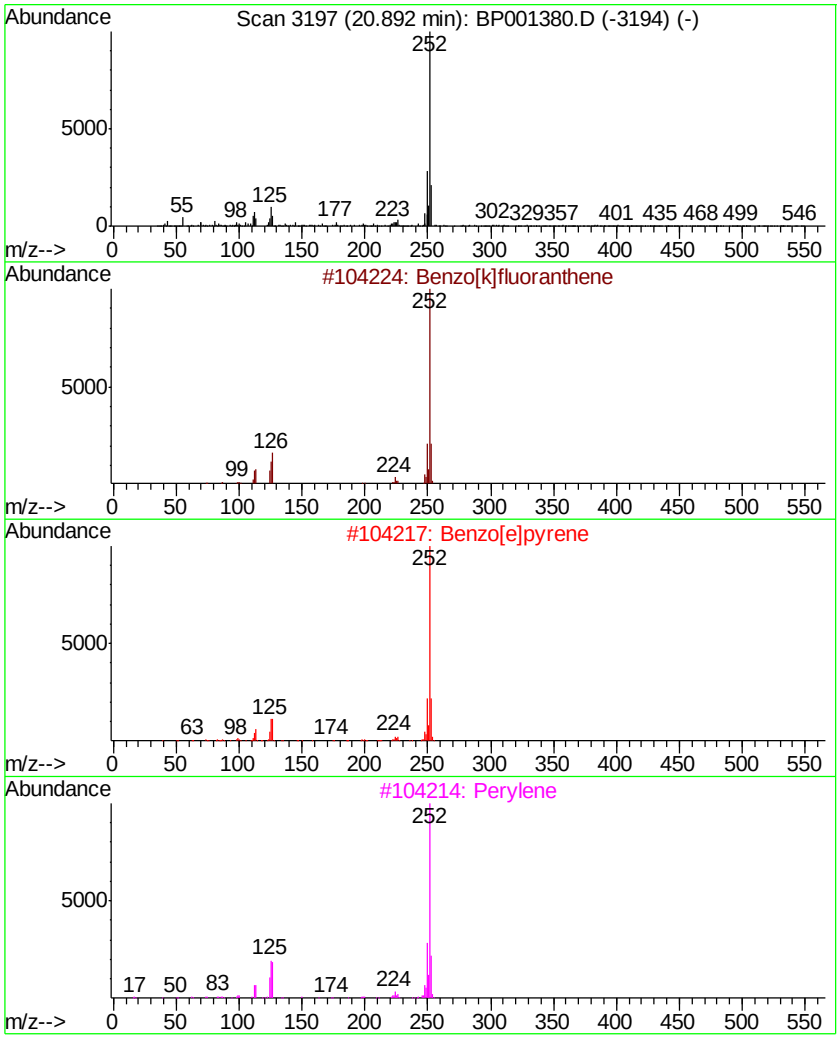
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

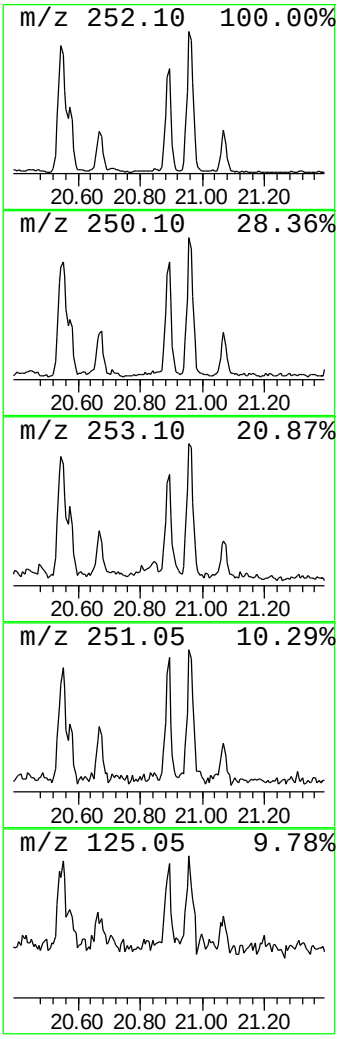
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	4.66 ng	88237	Perylene-d12	21.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benzo[e]pyrene	252	C20H12	000192-97-2	89
3	Perylene	252	C20H12	000198-55-0	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
Operator : JU
Sample : K6117-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TR-04-121919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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
2-Pentanone, 4-hy...	5.62	15.0	ng	309157	1	8.30	413215	20.0
unknown7.95	7.95	78.4	ng	1620100	1	8.30	413215	20.0
Hexadecanoic acid...	16.30	17.9	ng	484896	4	15.60	540181	20.0
Tridecanoic acid	16.50	2.7	ng	74041	4	15.60	540181	20.0
9,10-Dimethylanth...	17.15	5.9	ng	158260	4	15.60	540181	20.0
Phenanthrene, 3,6...	17.19	3.3	ng	89145	4	15.60	540181	20.0
9,12-Octadecadien...	17.26	32.1	ng	867524	4	15.60	540181	20.0
13-Octadecenoic a...	17.30	47.7	ng	1287970	4	15.60	540181	20.0
Phenanthrene, 2,3...	17.77	2.8	ng	94023	5	19.26	678746	20.0
Pyrene, 2-methyl-	18.25	4.7	ng	159866	5	19.26	678746	20.0
Pyrene, 4-methyl-	18.37	3.8	ng	127223	5	19.26	678746	20.0
Pyrene, 1-methyl-	18.42	3.0	ng	102281	5	19.26	678746	20.0
7H-Benz[de]anthra...	18.79	2.5	ng	83858	5	19.26	678746	20.0
11H-Benzo[a]fluor...	18.92	2.6	ng	88781	5	19.26	678746	20.0
1-Docosene	19.13	7.0	ng	236931	5	19.26	678746	20.0
Benz[a]anthracene...	19.76	3.0	ng	101768	5	19.26	678746	20.0
Benzo[e]pyrene	20.89	4.7	ng	88237	6	21.03	378784	20.0