LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

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-BP091619.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	5.422	563	567	571	rBV	4894959	4380237	69.25%	8.493%
2	5.634	599	603	609	rBV	98256	102718	1.62%	0.199%
3	6.434	734	739	742	rBV	5089204	4473522	70.73%	8.674%
4	6.563	757	761	765	rBV	4318742	3916374	61.92%	7.593%
5	6.628	769	772	776	rVV	99068	94554	1.49%	0.183%
6	6.793	796	800	803	rBV	1231293	990074	15.65%	1.920%
7	6.946	823	826	830	rBV	3619397	3250411	51.39%	6.302%
8	7.052	841	844	851	rVB	85275	74359	1.18%	0.144%
9	7.352	890	895	898	rBV	2495783	2281323	36.07%	4.423%
10	7.646	942	945	961	rVB	211083	183598	2.90%	0.356%
11	8.069	1014	1017	1020	rBV	1405153	1237461	19.56%	2.399%
12	8.287	1051	1054	1061	rBV	166599	133992	2.12%	0.260%
13	8.346	1061	1064	1073	rVV	184873	148827	2.35%	0.289%
14	8.775	1134	1137	1145	rBV2	85512	103518	1.64%	0.201%
15	9.152	1197	1201	1204	rBV	6457869	5091065	80.49%	9.871%
16	9.540	1264	1267	1276	rVB	500134	485120	7.67%	0.941%
17	9.687	1289	1292	1298	rVB	199216	187179	2.96%	0.363%
18	9.834	1313	1317	1320	rBV	1785421	1545822	24.44%	2.997%
19	10.628	1447	1452	1455	rBV	3994235	3732291	59.01%	7.236%
20	11.328	1567	1571	1573	rBV	2030364	1838926	29.07%	3.565%
21	11.346	1573	1574	1578	rVV	356783	272723	4.31%	0.529%
22	11.399	1580	1583	1587	rVB	193494	164155	2.60%	0.318%
23	11.834	1653	1657	1659	rBV	116892	108858	1.72%	0.211%
24	11.863	1659	1662	1666	rVV	297806	256882	4.06%	0.498%
25	11.946	1672	1676	1678	rBV2	189328	199260	3.15%	0.386%
26	11.969	1678	1680	1685	rVB	94018	79848	1.26%	0.155%
27	12.387	1748	1751	1754	rBV2	138015	135220	2.14%	0.262%
28	12.422	1754	1757	1759	rVV2	75377	90181	1.43%	0.175%
29	12.469	1763	1765	1771	rVV3	73504	102398	1.62%	0.199%
30	12.546	1775	1778	1782	rVB	546708	508434	8.04%	0.986%
31	12.646	1792	1795	1798	rBV	90854	93341	1.48%	0.181%
32	12.781	1812	1818	1821	rBV	773215	760849	12.03%	1.475%
33	12.928	1839	1843	1846	rBV	7098121	6325184	100.00%	12.264%
34	13.004	1852	1856	1863	rBV	105422	147785	2.34%	0.287%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

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-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.087	1867	1870	1872	rVV3	102638	124736	1.97%	0.242%
36	13.110	1872	1874	1877	rVB	180552	162329	2.57%	0.315%
37	13.181	1883	1886	1888	rVB	106044	93026	1.47%	0.180%
38	13.216	1889	1892	1895	rVB	157208	132278	2.09%	0.256%
39	13.310	1906	1908	1911	rVB	144369	102300	1.62%	0.198%
40	13.340	1911	1913	1917	rVB	114824	105940	1.67%	0.205%
41	13.622	1959	1961	1966	rVB	83817	79761	1.26%	0.155%
42	13.734	1977	1980	1983	rBV2	59446	73978	1.17%	0.143%
43	13.840	1995	1998	2003	rBV2	452041	577686	9.13%	1.120%
44	13.993	2019	2024	2026	rBV2	2049106	2299322	36.35%	4.458%
45	14.016	2026	2028	2033	rVB	420410	365767	5.78%	0.709%
46	14.381	2088	2090	2093	rVB	159766	142359	2.25%	0.276%
47	14.416	2094	2096	2099	rVB2	100460	88442	1.40%	0.171%
48	14.475	2104	2106	2109	rVB3	119081	113386	1.79%	0.220%
49	15.040	2198	2202	2205	rBV2	361050	549445	8.69%	1.065%
50	15.134	2215	2218	2219	rBV2	82196	90966	1.44%	0.176%
51	15.345	2250	2254	2260	rVB	254958	319573	5.05%	0.620%
52	15.404	2261	2264	2270	rVB	321637	379997	6.01%	0.737%
53	15.475	2271	2276	2280	rBV	1587620	1888656	29.86%	3.662%
54	15.963	2356	2359	2364	rBV2	96093	141358	2.23%	0.274%
55	16.951	2523	2527	2533	rVB2	130757	248301	3.93%	0.481%

Sum of corrected areas: 51576095

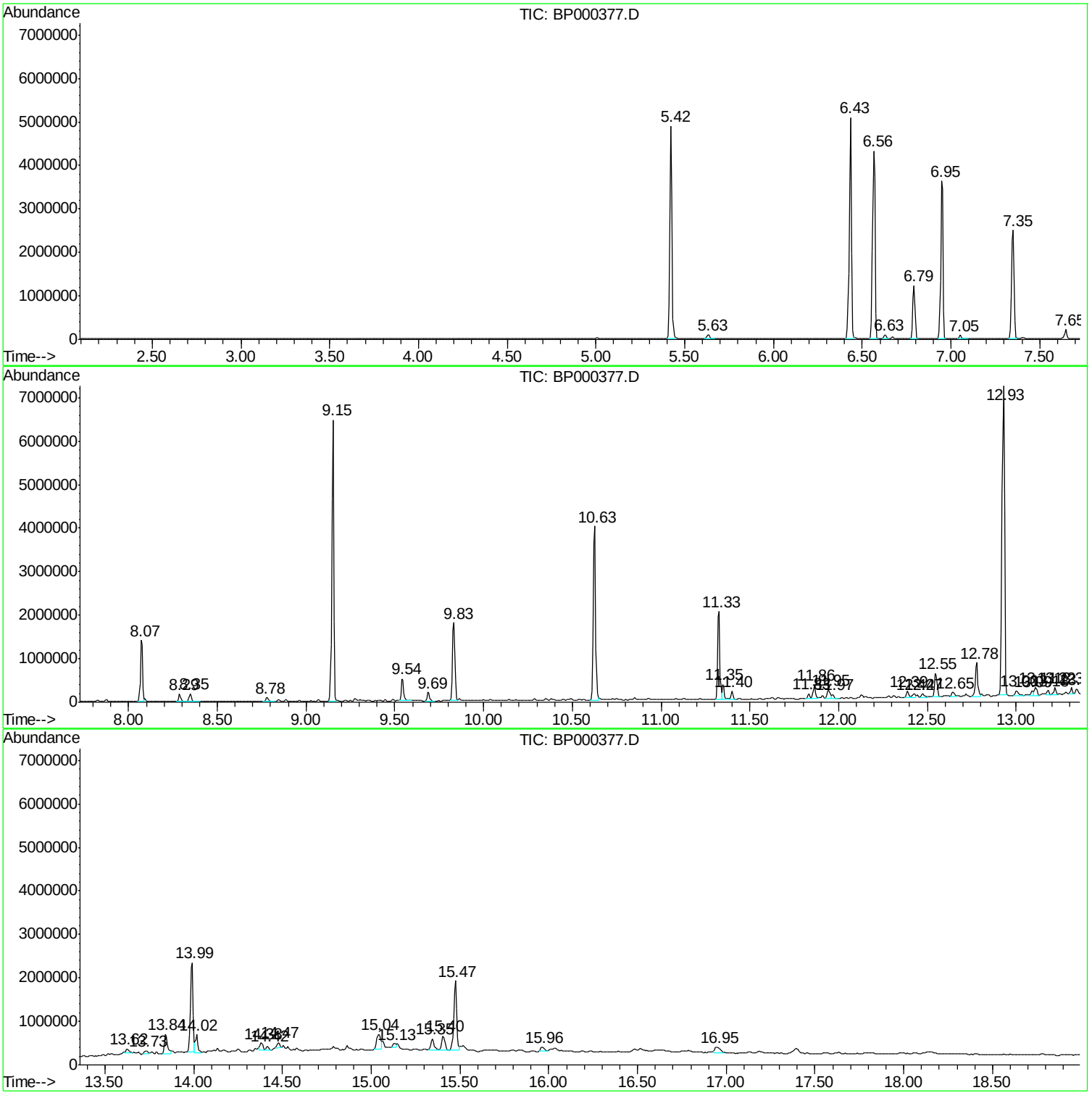
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

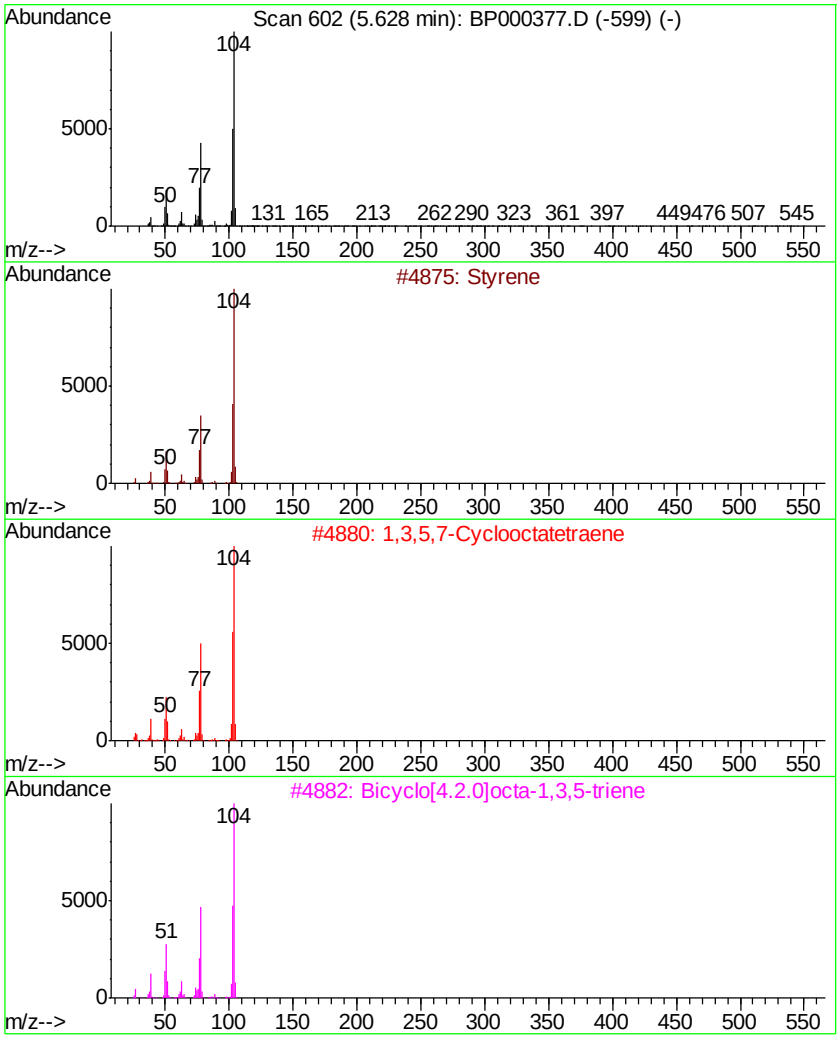
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

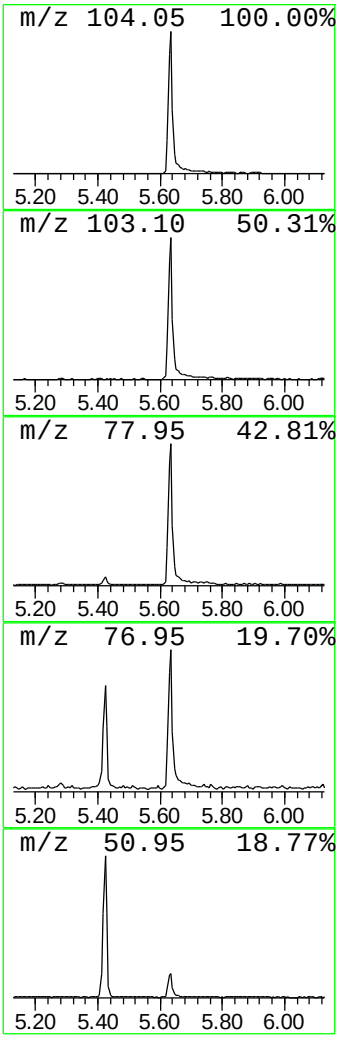
****

Peak Number 1 Styrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	2.07 ng	102718	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	94
2	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	91
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	59
5	1,3,7-Octatrien-5-yne	104	C8H8	016607-77-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

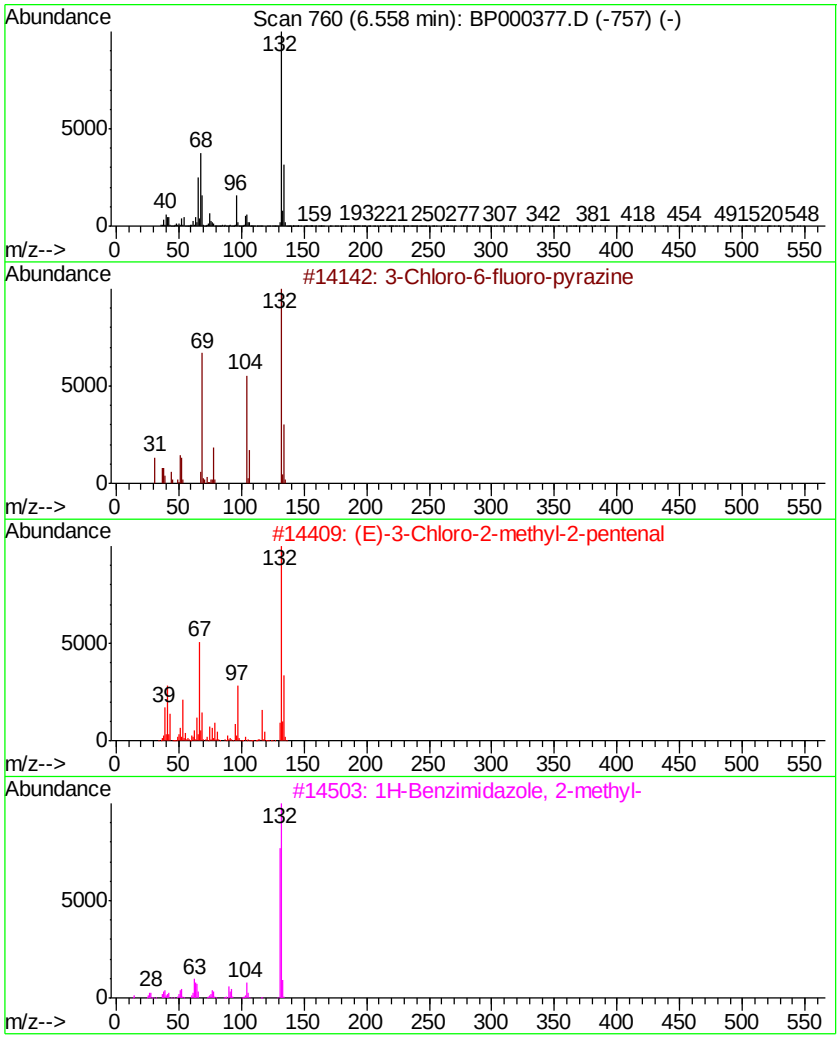
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

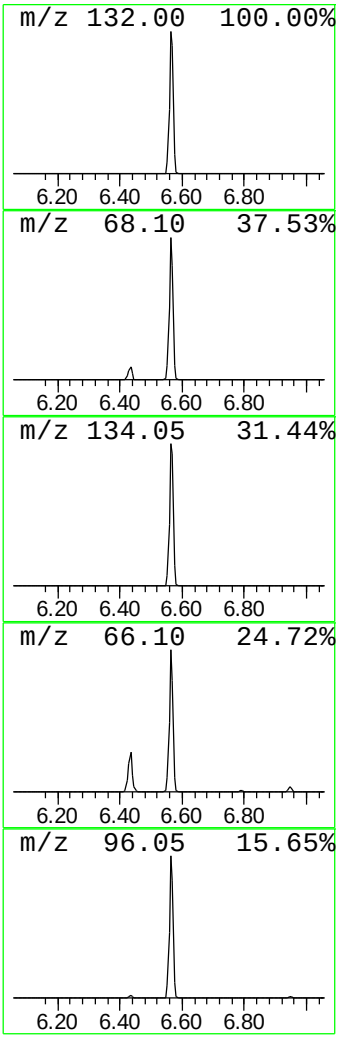
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	79.11 ng	3916370	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

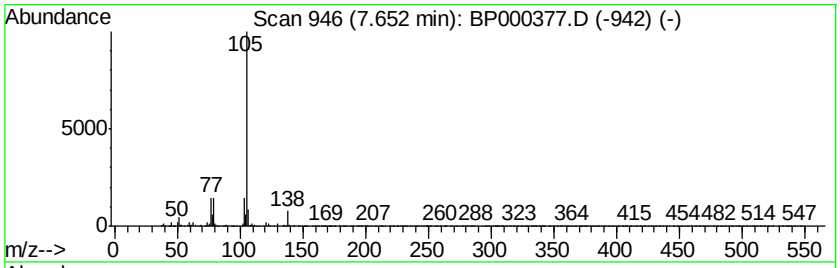
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

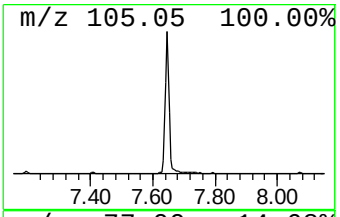
****

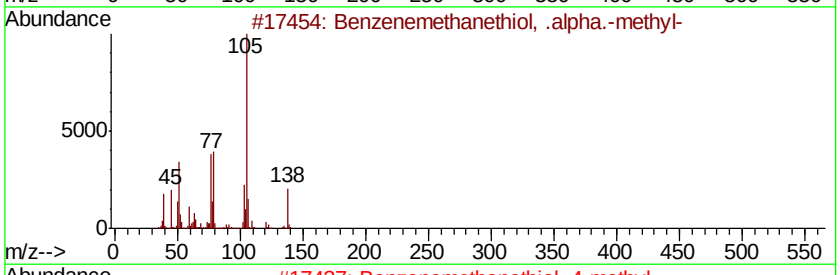
Peak Number 4 Benzenemethanethiol, .alpha... Concentration Rank 5

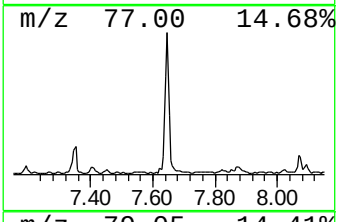
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	2.97 ng	183598	Naphthalene-d8	8.07

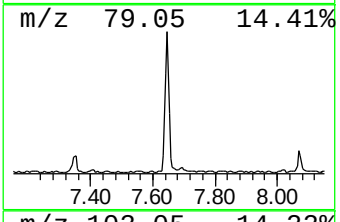
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	90
2	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	86
3	2,4-Dimethylthiophenol	138	C8H10S	013616-82-5	78
4	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	78
5	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	68

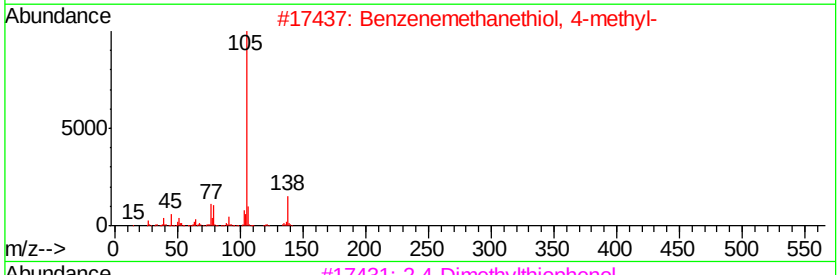


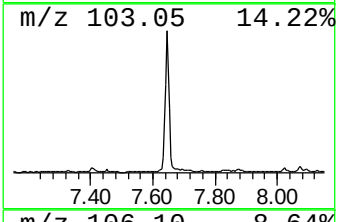


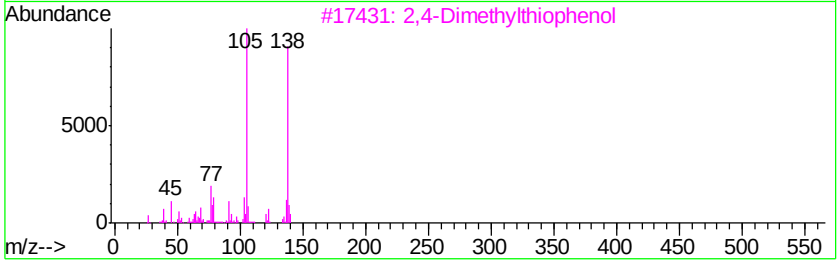


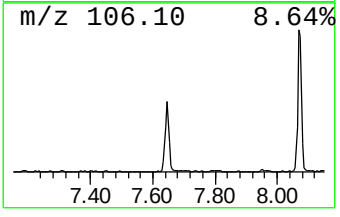












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

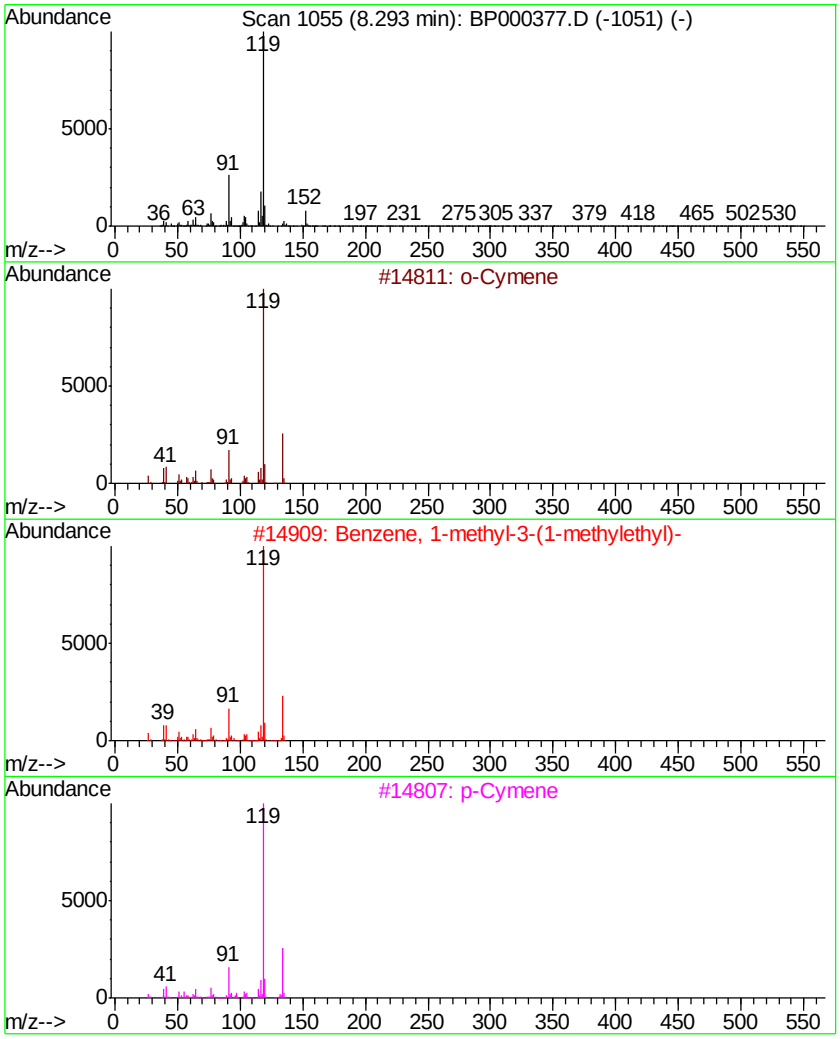
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

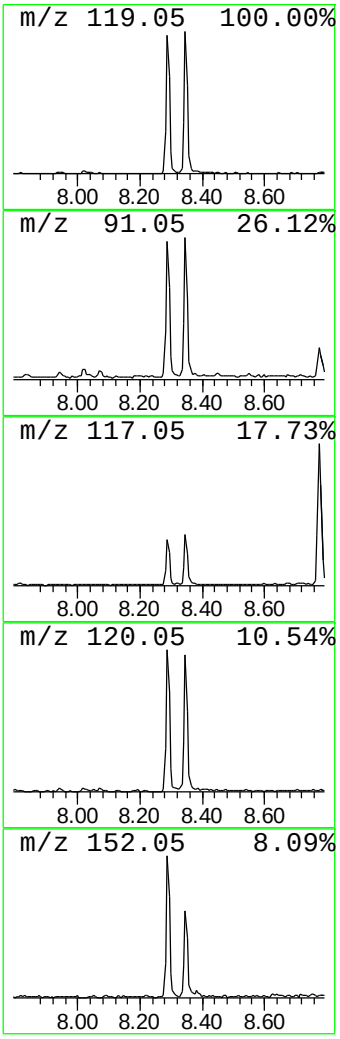
****

Peak Number 5 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	2.17 ng	133992	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	p-Cymene	134	C10H14	000099-87-6	86
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	80
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

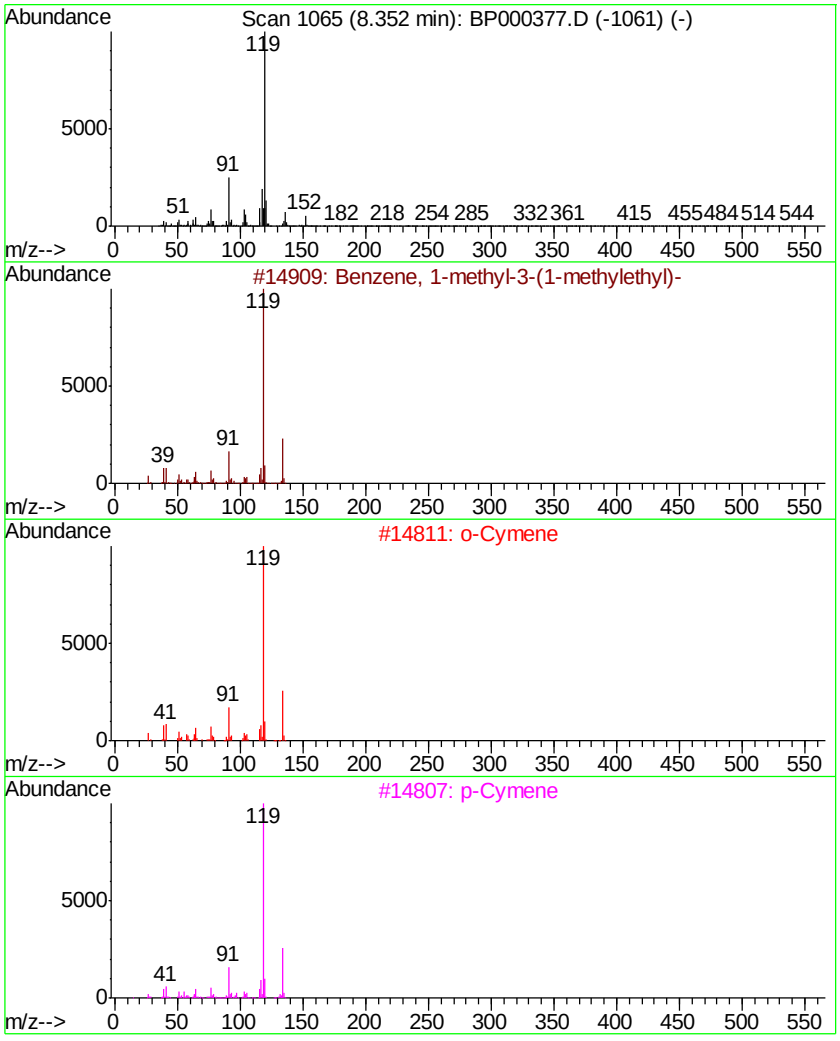
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

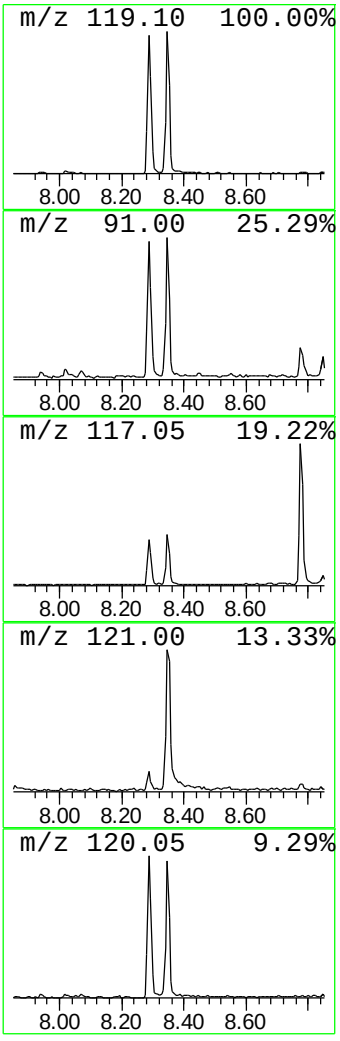
****

Peak Number 6 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	2.41 ng	148827	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
2	o-Cymene	134	C10H14	000527-84-4	81
3	p-Cymene	134	C10H14	000099-87-6	80
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	72
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

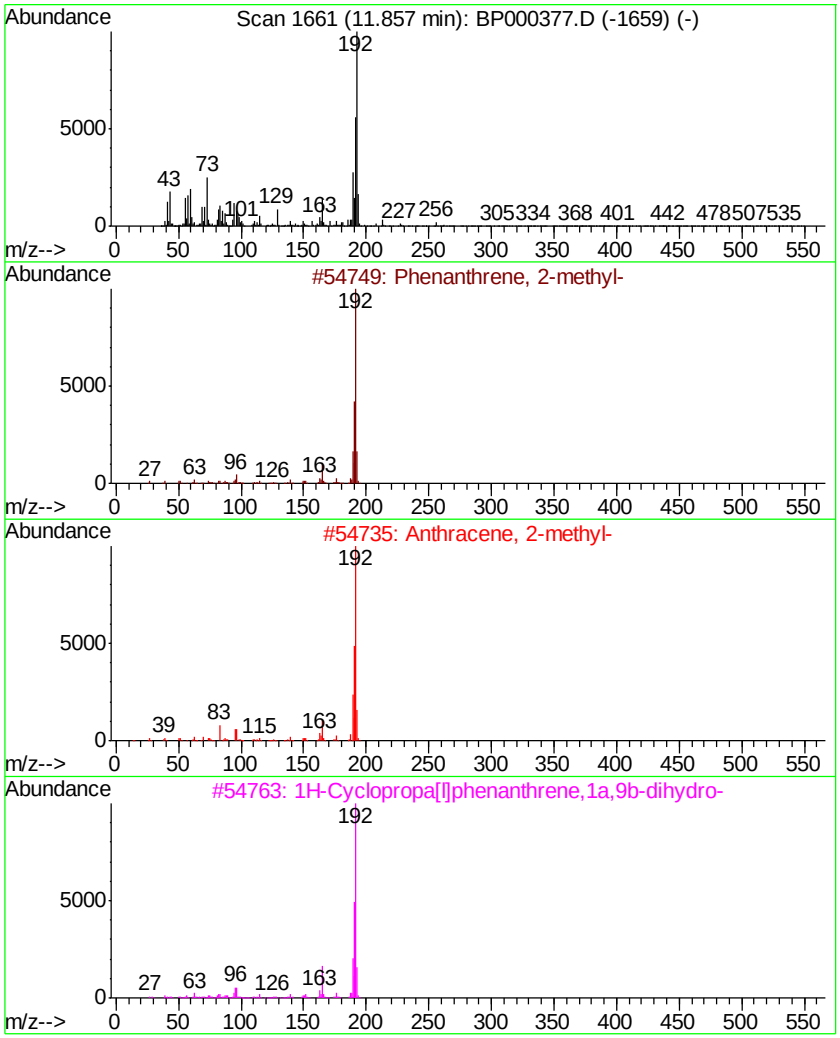
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

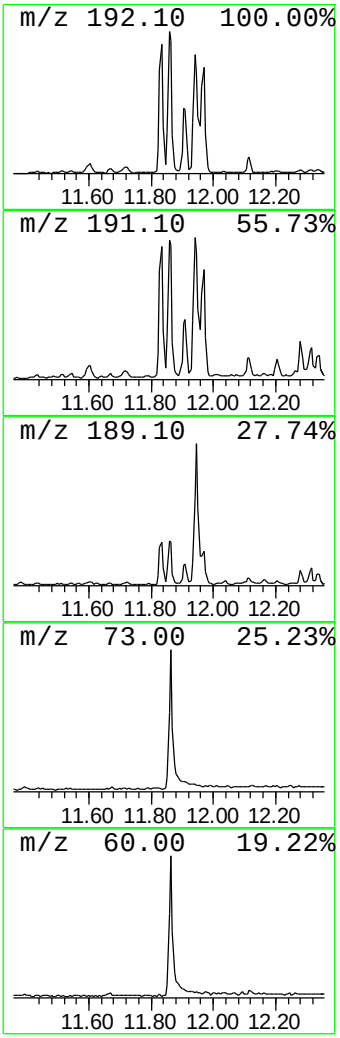
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.79 ng	256882	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000377.D
Acq On : 23 Sep 2019 21:54
Operator : HP/JU
Sample : K4980-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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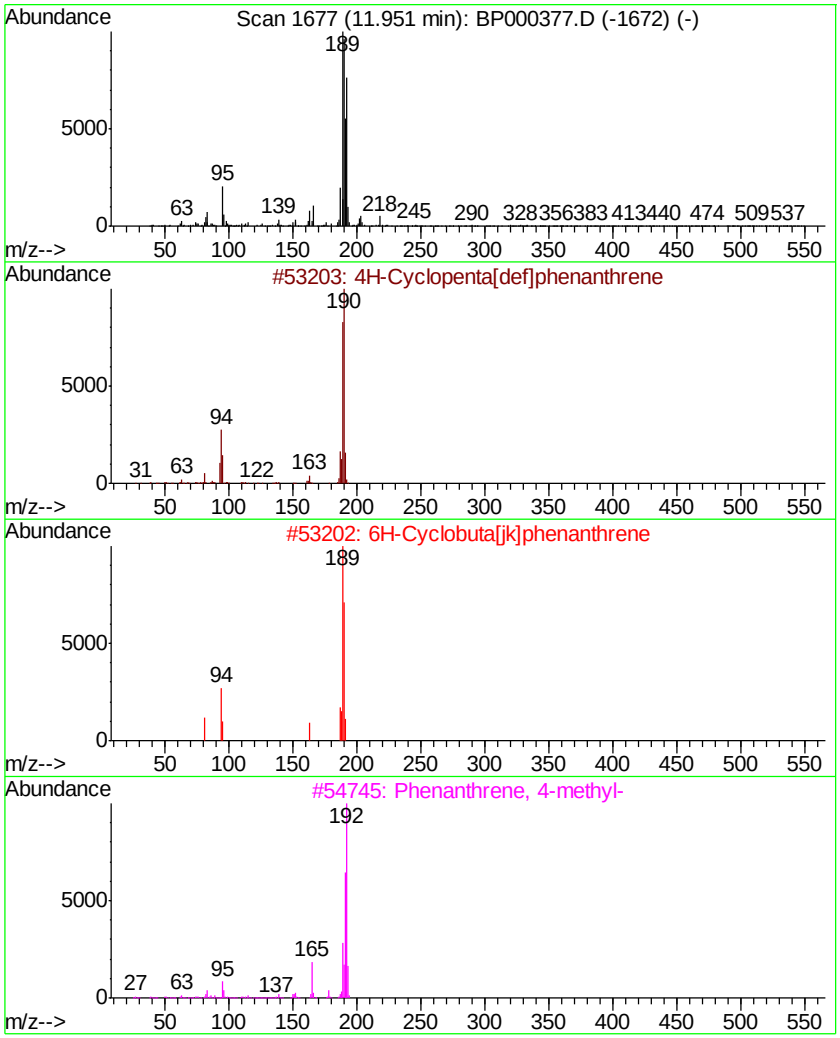
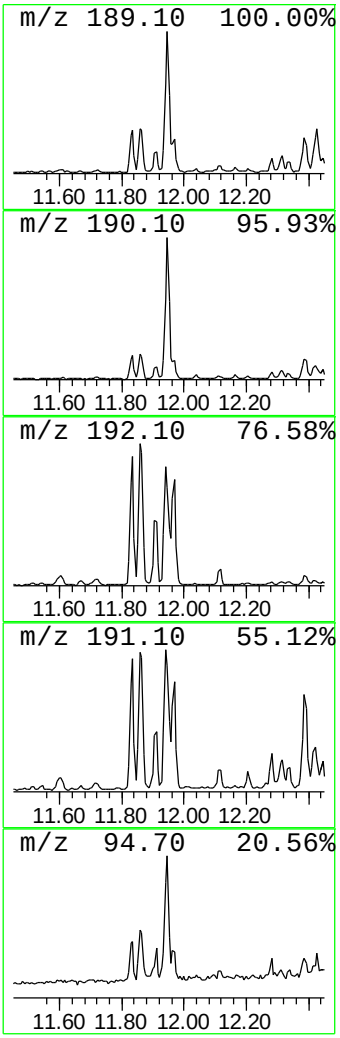
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.17 ng	199260	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42





Library Search Compound Report

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BNA_P
ClientSampleId :
SAND-STOCKPILE-1

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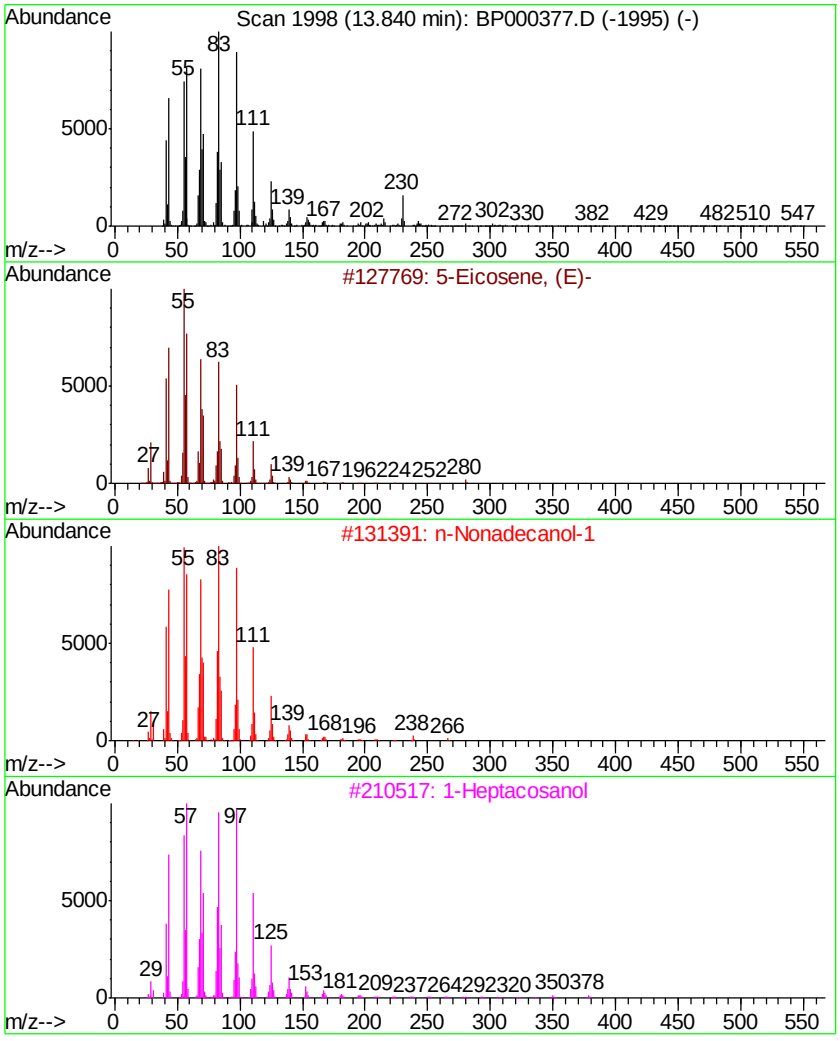
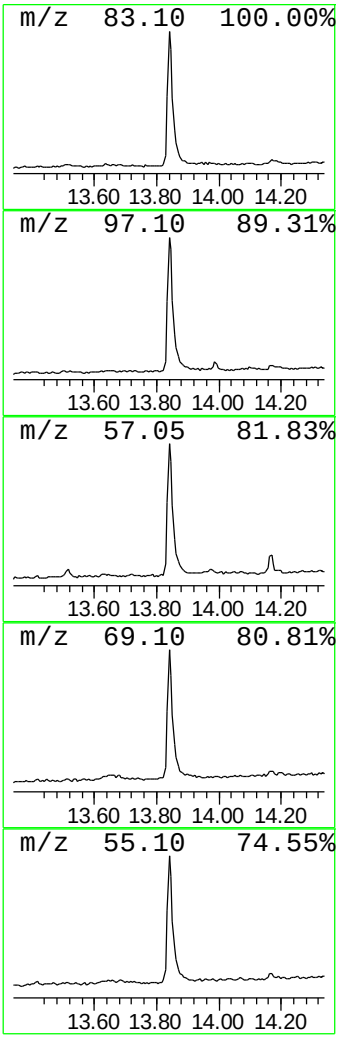
Peak Number 9 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.02 ng	577686	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
3	1-Heptacosanol	396	C27H56O	002004-39-9	94
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5	Cyclopentadecane	210	C15H30	000295-48-7	93





Library Search Compound Report

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Operator : HP/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAND-STOCKPILE-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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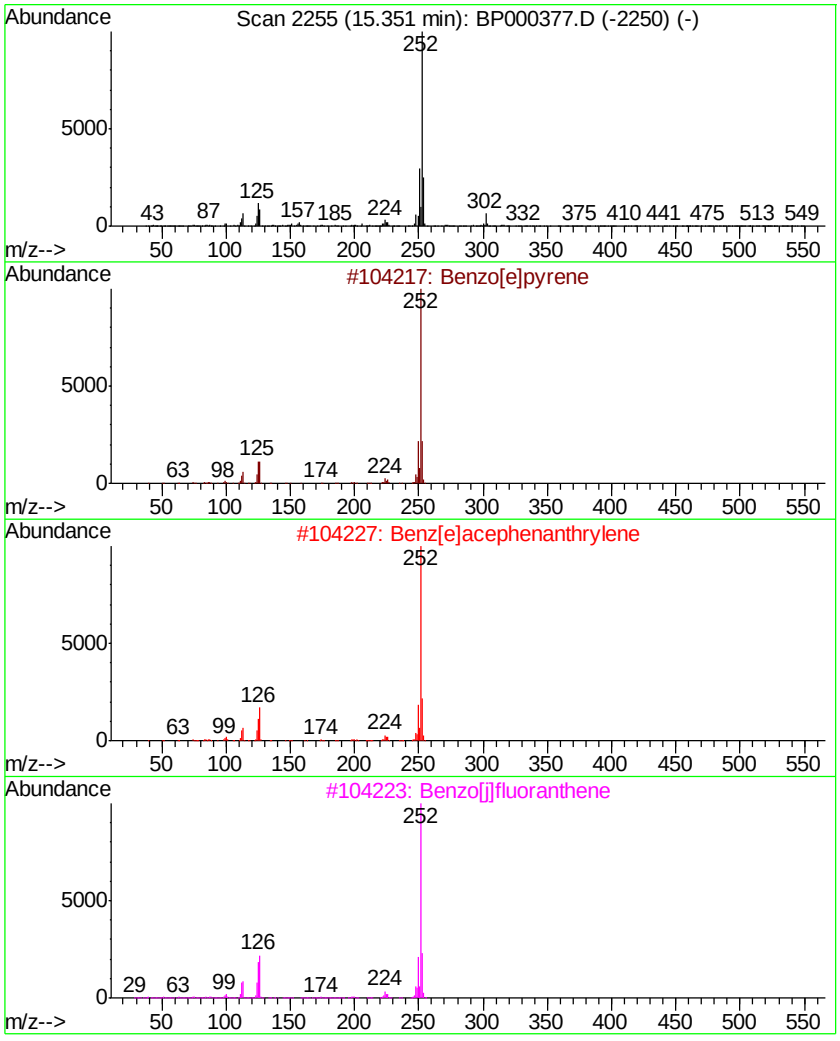
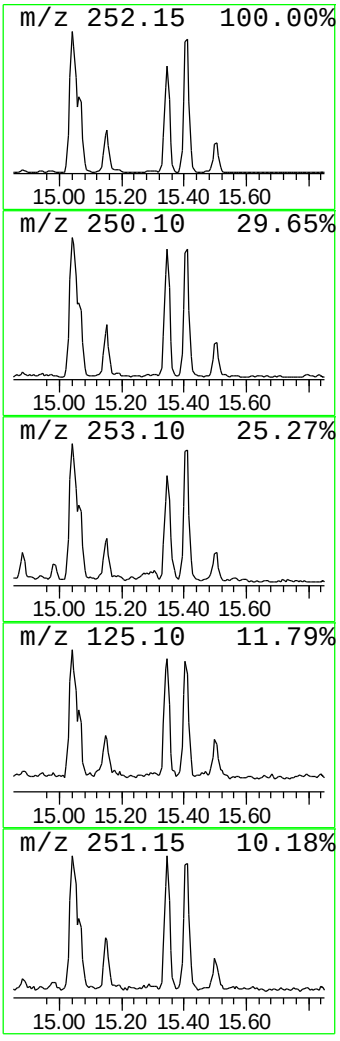
Peak Number 10 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	3.38 ng	319573	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Styrene	5.63	2.1	ng	102718	1	6.79	990074	20.0
unknown6.56	6.56	79.1	ng	3916370	1	6.79	990074	20.0
Benzenemethanethi...	7.65	3.0	ng	183598	2	8.07	1237460	20.0
o-Cymene	8.29	2.2	ng	133992	2	8.07	1237460	20.0
p-Cymene	8.35	2.4	ng	148827	2	8.07	1237460	20.0
Phenanthrene, 2-m...	11.86	2.8	ng	256882	4	11.33	1838930	20.0
4H-Cyclopenta[def...	11.95	2.2	ng	199260	4	11.33	1838930	20.0
5-Eicosene, (E)-	13.84	5.0	ng	577686	5	13.99	2299320	20.0
Benzo[e]pyrene	15.35	3.4	ng	319573	6	15.47	1888660	20.0